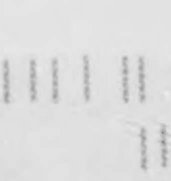
OFFICE OF SOFTWARE DEVELOPMENT AND INFORMATION TECHNOLOGY

SOFTWARE AIDS AND TOOLS SURVEY

Report OIT/FSMC-86/002



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November 1985

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OFFICE OF SOFTWARE DEVELOPMENT
AND INFORMATION TECHNOLOGY

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ACKNOWLEDGMENTS

The publication of this catalog is a culmination of the diligent work of many people. OIT would like to express sincere appreciation to all of the companies that rapidly rerponded to the requests for information on software aids and tools. Without this cooperation this very useful and much requested publication would not have been possible.

Special thanks go out to McDonald Bradley, Inc. for all of their individual contributions to the material presented in the catalog and suggested improvements. Their untiring dedication and cooperation in its preparation has served as the driving factor behind the catalogs ultimate completion.

Also, acknowledgments would be incomplete without expressing gratitude to Kim Miller, Michael Peter, Tina Bettius and George Samson for their efficient and enthusiastic coordination and support of the entire effort needed to make this project successful.

Richard G. Harrison, Director
Federal Software Management Support Center

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1. INTRODUCTION

1.1 Background

The Federal Software Management Support Center (FSMC) has as one of its primary tasks the reduction of costs spent on software development and maintenance within the Government. With the enormous growth and use of software throughout the Government, it is vital that FSMC provide agencies with such tools and support services to reduce these costs.

Along with cost reduction, FSMC is also responsible for assisting agencies with effective software management. The problems connected with software management are not new to the Federal Government. The U.S. General Accounting Office (GAO) has reported these problems to Congress on many occasions. Two recent GAO reports have focused on problems and costs of software development.

The report, *Wider Use of Better Computer Software Technology Can Improve Management Control and Reduce Costs* (April 29, 1980), identifies benefits that can be realized through the application of modern software tools and techniques. It recommends that the use of software tools and techniques could be improved by better guidance to agencies, more emphasis on software by management, and effective Government-wide coordination and sharing of tools. The FSMC is in a unique position to provide this needed direction and guidance by publishing the results of surveys and associated research that focus on comparative software development methodologies that incorporate software tools and techniques.

A second GAO report, entitled *Federal Agencies' Maintenance of Computer Programs: Expensive and Undermanaged* (February 26, 1981), estimates that the Government spends at least $1.3 billion annually on software maintenance. It also suggests that agencies have made little effort to effectively manage and minimize the resources required to maintain their computer software. Software tools can significantly reduce the effort required in software maintenance and, consequently, reduce associated costs.

Historically, management emphasis has been placed upon speed and efficiency of programming. Tools were developed to assist the programmer in the task of completing programs in a short time frame with the least amount of difficulty. Recently, the need for quality assurance tools for software has been recognized, and software verification tools to analyze code are beginning to be developed.

The recognition of these needs--cost saving, software management, and quality assurance--has provided the catalyst for the research and publication of this document.

1.2 Purpose

The purpose of this document is to support management in the identification and selection of software tools. Software tools can provide an organization with a substantial increase in productivity. Tools are but a part of the overall technology needed to achieve productivity gains. Management is the most critical factor since it sets objectives, establishes the environment, and monitors performance. The proper mix of software tools, matched to an organization's goals and objectives, is vital in the establishment and institutionalization of an engineering technology. The tool identification and selection process is a management function because the mix of tools will directly impact the organization's environment.

This document identifies and categorizes many of the software tools currently available in the marketplace. It updates three catalogs previously published by the General Services Administration. These catalogs are the FCSC Conversion Tools Survey (Report OSD/FSTC - 83/015, 10/82), the Programmer Productivity Aid Catalog (Report OSD/FSTC - 83/017, 9/83), and the Software Tools Survey (Report OSD/FCSC - 83/001, 6/83).

The information in this catalog was gathered by the use of vendor questionnaires, which where received in the summer of 1985. Requests were made to software vendors through announcements in the Department of Commerce publication, the Commerce Business Daily, and update requests were sent to all vendors in the previously published catalogs.

This catalog is intended to be one of the primary sources of information on software tools available to Federal agencies and will be updated periodically by the FSMC.

Based on the results of the surveys, approximately 300 are presented with various data concerning each one's function, producer, source language, possible uses, cost, and product description. Specific references in the form of actual tool users appear for many of the tools along with their organizations and telephone numbers. Some vendors have described their products in great detail providing a rich source of information on the tool and its utilization.

1.3 Scope

Software tools are used to design, develop, test, convert, and control other software. Software is designed and developed in stages that conform to a life cycle.

Two general categories of software tools are presented in this catalog: software productivity aids and conversion tools.

The software tools that are included in this catalog address the system life cycle areas of design, development (code and application generation), testing, maintenance, documentation, and project management. A single tool may have application in only one phase of the life cycle or may be used in several phases.

Conversion tools fall within four major product categories:

A. A "translator" is normally a software program or package that literally translates programs and/or data from one ADPE type, language, or environment to another with minimal manual intervention. While a "translator" can be an aid to a conversion effort and can perform more functions, such as those listed below, if one of the primary purposes or functions of the product is translation, it is classified as a "translator."

B. A "conversion aid" is normally a software or hardware program, package, or technique that primarily assists the conversion effort in such ways as program or file reformatting, macro generation, program preprocessing, etc. While an "aid" is not necessarily a "translator", if one of the primary purposes or functions of the product is translation, it is classified as a "translator" instead of a "conversion aid". If translation is only a minor or secondary feature of the product, it is classified as a "conversion aid."

C. An "emulator" is a hardware or software technique for the execution of programs assembled or compiled for a different computer system. The software portion is usually assigned to handle I/O operations and overall control of the "emulator" if it is designed to run in a multiprogramming environment.

D. A "simulator" is normally a software technique to accomplish the same purpose as an "emulator."

The information contained within this catalog is a result of a request to vendors, of both software and hardware. These products have not been tested or validated by FSMC, but are presented as described in the survey and literature provided by their respective vendors.

1.4 Organization

The catalog is organized alphabetically by vendor and the software tools arranged alphabetically by name within each vendor.

In order to help the user of this catalog find the software tool that best meets his needs, an extensive set of indices has been created. The indices list the catalog information in the following manner:

A. By software vendor
B. By name of software tool
C. By source language of the software tool
D. By host computer
E. By the stage of the life cycle for which the tool is used
F. By the conversion tool category
G. In a matrix of translator source/target languages
H. In a matrix of translator source/target hardware

1.5 Conclusion

Readers of this catalog are asked to help maintain it. Vendors with corrections to current entries or those who would like to see their products added to the listing of product descriptions are asked to send their requests to:

Federal Software Management Support Center
Office of Software Development
  and Information Technology
General Services Administration
5203 Leesburg Pike, Suite 1100
Falls Church, VA 22041-3467

Telephone: (703) 756-6153 or FTS 756-6153

Copies of the catalog are available from the Government Printing Office.

2. SOFTWARE AIDS AND TOOLS SURVEY

READEX FICHE

NAME OF AID: ANALYZER
ACRONYM:

COMPANY: ALDON Computer Group
STREET : 405 14th Street
CITY/STATE/ZIP: Oakland, CA 94612

REPRESENTATIVE: Albert Magid
TITLE: President
PHONE: (415) 839-3535

DESCRIPTION:
ANALYZER, ALDON's program execution analyzer product, displays on a source listing all code that has not been executed by one or more runs of a COBOL program.

CONVERSION TOOL:
_ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE

_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

SOURCE HARDWARE:
TARGET HARDWARE:
SOURCE SOFTWARE:
TARGET SOFTWARE:

HARDWARE/MODEL REQUIRED FOR OPERATION: HP 3000
OPERATING SYSTEM REQUIRED FOR OPERATION: HP MPE
COMPUTER: _ MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: ____ INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY:

LANGUAGE(S) OF AID: X COBOL _ FORTRAN _ PL/1 _ BASIC _ ASSEMBLER _ OTHER; SPECIFY:

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 4 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 25+ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: X PURCHASE PRICE: $2,100.00

REFERENCES: COMPANY: 1) Hughes Aircraft 2) Hewlett-Packard
CONTACT: 1) Phil Yantis 2) Gordon Douglas
TELEPHONE: 1) (213) 513-5742 2) (415) 857-2117

COMMENTS: See next page.

COMMENTS:

Use of this listing enables the user to measure the comprehensiveness of the test case, and subsequently, to modify the test case to execute those parts of the program that had been bypassed.

In addition to identifying unexecuted code, a "COUNT" option provides a count of the number of times that code has been executed.

A "TRACE" option provides a debugging tool which follows the flow of the program as it is executed. It not only displays names of COBOL paragraphs and COBOL subroutines, but it identifies conditionally executed statements as they are executed within a paragraph.

Statistics can be accumulated from multiple test runs to provide a summary for all runs.

Purchase price does not include an annual maintenance and enhancement fee of $315.00.

NAME OF AID: COMPARE
ACRONYM: COMPARE

COMPANY: ALDON Computer Group
STREET : 405 14th Street
CITY/STATE/ZIP: Oakland, CA 94612

REPRESENTATIVE: Albert Magid
TITLE: President
PHONE: (415) 839-3535

DESCRIPTION:
COMPARE is a flexible file comparison utility which displays the exact information in the record that is different between any two IMAGE, KSAM, or Sequential files.

CONVERSION TOOL:
_ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

SOURCE HARDWARE: ____________
TARGET HARDWARE: ____________
SOURCE SOFTWARE: ____________
TARGET SOFTWARE: ____________

HARDWARE/MODEL REQUIRED FOR OPERATION: HP 3000
OPERATING SYSTEM REQUIRED FOR OPERATION: MPE
COMPUTER: _ MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: SPL

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 4 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 50+ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: $2,100.00

REFERENCES:	1)	2)
COMPANY:	State Farm	Hewitt Associates
CONTACT:	Lee Appleton	Patricia L. Anderson
TELEPHONE:	(309) 766-6189	(312) 295-5000

COMMENTS: See next page.

COMMENTS:

COMPARE accomodates acceptable differences through the use of masking, reformatting, and record selection features.

COMPARE is used to verify the accuracy of table and data files used in distributed sites. It is also used in testing environments to confirm that program changes only create expected changes in output data files.

Its merge capability allows COMPARE to recognize missing records or extra records in the files. Portions of files can be selected for comparison by key, by relative record number, or conditionally by data content.

The annual maintenance and enhancement fee is an additional $315.00. For prices for additional sites and additional CPUs, see the GSA schedule.

NAME OF AID: S/COMPARE
ACRONYM: S/COMPARE

COMPANY: ALDON Computer Group
STREET : 405 14th Street
CITY/STATE/ZIP: Oakland, CA 94612

REPRESENTATIVE: Albert Magid
TITLE: President
PHONE: (415) 839-3535

DESCRIPTION:
S/COMPARE is a source comparison utility which identifies differences (insertions, deletions and moves) between any two versions of a program.

CONVERSION TOOL:
_ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

SOURCE HARDWARE:
TARGET HARDWARE:
SOURCE SOFTWARE:
TARGET SOFTWARE:

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM, IBM System 38, HP 3000
OPERATING SYSTEM REQUIRED FOR OPERATION: IBM OS/MVS; HP MPE
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY:

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY:

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 4 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 100 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE:
X PURCHASE PRICE: $2,100.00

REFERENCES:	1)	2)
COMPANY:	Sandia Nat'l Laboratory	PG&E
CONTACT:	Larry Lane	Tom Break
TELEPHONE:	(505) 846-5530	(805) 541-7331

COMMENTS: See next page.

COMMENTS:

S/COMPARE will compare COBOL, ALC, FORTRAN, Pascal, PL/1, JCL, Text, entire partitioned data sets, and any files whose record lengths do not exceed 80 characters. It is used for control, documentation and audit of program source code changes.

S/COMPARE is used to simplify the task of identifying and documenting differences in programs, to monitor and control program changes by in-house staff as well as by outside contractors, and to simplify the task of incorporating local changes into new releases of purchased or distributed software.

The annual maintenance and enhancement fee is an additional $315.00. For prices for additional sites and additional CPUs, see the GSA schedule.

NAME OF AID: ATLAS Tools
ACRONYM: ______

COMPANY: AMG Associates, Inc.
STREET : 1725 Jefferson Davis Hwy. #704
CITY/STATE/ZIP: Arlington, VA 22202
REPRESENTATIVE: Warren Fellner
TITLE: Director, Program Management
PHONE: (703) 892-5600

DESCRIPTION:
ATLAS Syntax Analyzer: verifies syntax of ATLAS procedures and programs; ATLAS Template System: creates error-free ATLAS statements; ATLAS Compiler: processes ATLAS programs to target test stand code.

CATEGORY:
_ SIMULATION
X DESIGN
X CODE GENERATION
X TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: VAX 11/7XX, PDP 11/XX, SEL
OPERATING SYSTEM REQUIRED FOR OPERATION: VMS, UNIX, RSX, RTM
COMPUTER: _ MAINFRAME X MINI X MICRO

RESOURCES REQUIRED: 56K INTERNAL STORAGE (BYTES)
3Mb EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: see comments

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 5 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 6 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ______ _ PURCHASE PRICE: ______

REFERENCES: COMPANY: 1) Naval Air Engineering Ctr 2) Litton Systems Canada Ltd
CONTACT: 1) B. Malloy 2) E. Erkan
TELEPHONE: 1) (201) 323-2560 2) (416) 249-1231

COMMENTS: See next page.

COMMENTS:

LANGUAGES OF AID: PLV, C, Pascal, Ada

All of the ATLAS tools are custom tailored, thus all prices are based upon customer requirements.

NAME OF AID: Program Analysis Design Assurance System
ACRONYM: PANDAS

COMPANY: AMG Associates, Inc.
STREET : 1725 Jefferson Davis Hwy. #704
CITY/STATE/ZIP: Arlington, VA 22202

REPRESENTATIVE: Martin Weiner
TITLE: Director, Engineering
PHONE: (703) 892-5600

DESCRIPTION:
PANDAS provides a comprehensive set of TPS development tools tied together by an executive menu program.

CATEGORY:
☒ SIMULATION
☒ DESIGN
☒ CODE GENERATION
☒ TESTING
☒ MAINTENANCE
☒ DOCUMENTATION
☐ OPERATION
☒ PERFORMANCE MEASURE
☐ SUPPLEMENTAL SUPPORT
☒ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC VAX 11/7XX
OPERATING SYSTEM REQUIRED FOR OPERATION: VMS
COMPUTER: ☐ MAINFRAME ☒ MINI ☐ MICRO

RESOURCES REQUIRED: 300K INTERNAL STORAGE (BYTES)
10Mb EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID: ☐ COBOL ☐ PL/1 ☐ ASSEMBLER
☒ FORTRAN ☐ BASIC ☒ OTHER; SPECIFY: Pascal,DTR,CDD

DOCUMENTATION: ☐ TECHNICAL PAPER ☒ USER MANUAL
☐ MAINTENANCE MANUAL ☒ TEST/PLAN PROCEDURE
☐ SPECIFICATION (DEV/PLAN) ☐ FULL DOCUMENTATION

ACCESSIBILITY: ☐ PUBLIC DOMAIN ☒ PRIVATE DOMAIN
☒ IN USE FOR 2 YEARS ☒ IN USE BY 1 FIRMS
☐ DEMONSTRATIONS ☐ TRAINING

PRICE: ☐ MONTHLY LEASE: ____________ ☐ PURCHASE PRICE: ____________

REFERENCES: COMPANY: 1) ____________ 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

PANDAS provides management scheduling and tracking, TP quality assurance analysis, digital and analog TP simulators, ATLAS development tools, and general TPS computer-aided graphical and text reports.

All of the PANDAS tools are custom tailored, thus all prices are based upon customer requirements.

NAME OF AID: Technical Management Tracking System

ACRONYM: TMTS

COMPANY: AMG Associates, Inc.

STREET : 1725 Jefferson Davis Hwy. #704

CITY/STATE/ZIP: Arlington, VA 22202

REPRESENTATIVE: Martin Weiner

TITLE: Director, Engineering

PHONE: (703) 892-5600

DESCRIPTION:
TMTS provides the capability to track technical development progress for any program. It offers CPM analysis, what-if analysis, schedule deviation reporting, network, charts, Gantt charts, progress and bar charts to assess progress.

CATEGORY:
X SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC VAX 11/7XX

OPERATING SYSTEM REQUIRED FOR OPERATION: VMS

COMPUTER: _ MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED:
153K INTERNAL STORAGE (BYTES)
5Mb EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY:

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: Pascal,DTR,CDD

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
X TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 5 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: __________ _ PURCHASE PRICE: __________

REFERENCES:
COMPANY: 1) Aeroflex Systems 2)
CONTACT: 1) P. Marshall 2)
TELEPHONE: 1) (703) 548-4301 2)

COMMENTS: See next page.

COMMENTS:

All of the TMTS tools are custom tailored, thus all prices are based upon customer requirements.

NAME OF AID: TPS Validation and Verification Tools
ACRONYM: TVVT

COMPANY: AMG Associates, Inc.
STREET : 1725 Jefferson Davis Hwy. #704
CITY/STATE/ZIP: Arlington, VA 22202

REPRESENTATIVE: Warren Fellner
TITLE: Director, Program Management
PHONE: (703) 892-5600

DESCRIPTION:
TVVT determines the testing adequacy and quality of an applications test program by analyzing the following quality attributes: 1) ambiguity distribution, 2) program comprehensiveness, 3) program efficiency, 4) test accuracy, and 5) limit accuracy.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
_ MAINTENANCE
_ DOCUMENTATION
X OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: VAX 11 Series, DEC 20
OPERATING SYSTEM REQUIRED FOR OPERATION: VMS
COMPUTER: _ MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: 56K INTERNAL STORAGE (BYTES)
3Mb EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY:

LANGUAGE(S) OF AID: _ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: Jovial

DOCUMENTATION:
_ TECHNICAL PAPER
X MAINTENANCE MANUAL
X SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 3 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 2 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____________ _ PURCHASE PRICE: ____________

REFERENCES: COMPANY: 1) Sperry Systems Management 2)
CONTACT: 1) J. Burns 2)
TELEPHONE: 1) (516) 574-3618 2)

COMMENTS: See next page.

COMMENTS:

All of the TVVT tools are custom tailored, thus all prices are based upon customer requirements.

NAME OF AID: ADR/DATADICTIONARY
ACRONYM: ______

COMPANY: Applied Data Research, Inc.
STREET : 8227 Old Courthouse Road
CITY/STATE/ZIP: Vienna, VA 22180

REPRESENTATIVE: Mark K. Ruport
TITLE: Vice President, Federal Region
PHONE: (703) 356-7700

DESCRIPTION:
This is an information resource tool providing system-wide data definition, security, and control - active, online, integrated with ADR/DATACOM/DB.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS and OS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: see comments

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 7 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 650 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ______ X PURCHASE PRICE: GSA schedule

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

LANGUAGES OF AID: ADR/DATACOM DDOL, UTILITIES

DATADICTIONARY offers the following specific benefits:

- operates in conjunction with DATACOM/DB
- facilitates migration to a data base system
- provides online access, maintenance and control
- enables coordination of distributed data bases
- supports multiple dictionaries
- allows user customization
- provides tools for system design
- assists in implementing changes to production
- provides flexible reporting facilities
- reduces data redundancy
- minimizes operational disruptions
- provides comprehensive documentation
- supports familiar names
- supports data structures
- ensures data integrity

NAME OF AID: ADR/DE II ACRONYM: ________

COMPANY: Applied Data Research, Inc.
STREET : 8227 Old Courthouse Road
CITY/STATE/ZIP: Vienna, VA 22180

REPRESENTATIVE: Mark K. Ruport
TITLE: Vice President, Federal Region
PHONE: (703) 356-7700

DESCRIPTION:
This is an online data entry and collection system.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM
OPERATING SYSTEM REQUIRED FOR OPERATION: OS and DOS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: menu driven

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 0.5 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: GSA schedule X PURCHASE PRICE: GSA schedule

REFERENCES: COMPANY: 1) ____________ 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

System Services control the overall DE-II environment. These services include: system start-up and shutdown; entry group and supervisor assignments; system bulletin board; and ongoing system maintenance. These services might normally be administered by production penter or computer operations management.

Supervisor Services provide for the daily operational control of DE-II environment. These services include: control over data entry operators, users, and applications; security and maintenance of applications and data; monitoring and control of all data entry batches; and the transfer of data from DE-II to production applications for processing. These services may be administered by a central data entry supervisor or manager or by production penter management. Or they may be administered by multiple supervisors, each being responsible for various functional entry groups.

Operator Services are available to all users of the system who are entering or validating data. These services include: full interactive entry, verification, paging and correction facilities; user-designed input screens that are invoked and displayed automatically under application control or entry operator control, user designed HELP screens, automatic and immediate edits and validations, automatic field duplication both within a screen and across multiple screens, and automatic batch balancing.

Application Design Services are provided for the use of the application design analyst who, working with both the end users and the production center, will design and build data entry applications under DE-II.

A major function of these services is to facilitate the prototyping of screens so that designers and end users alike can work to ensure that the screen will be highly satisfactory -- before the screen is put into production.

Application Design Services include: online menu-driven application design, build and test facilities, screen paint facilities, and editing facilities. Specific input edits include alphabetic, numeric, alphanumeric, range checks, table lookups, required fields, and decimal alignment. In addition, input edits include the ability to specify batch totals.

NAME OF AID: ADR/DL ACRONYM: __________

COMPANY: Applied Data Research, Inc. REPRESENTATIVE: Mark K. Ruport
STREET : 8227 Old Courthouse Road TITLE: Vice President, Federal Region
CITY/STATE/ZIP: Vienna, VA 22180 PHONE: (703) 356-7700

DESCRIPTION:
This product is an interactive, high-level application development and maintenance tool which generates COBOL and DATACOM programs.

CONVERSION TOOL:
_ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
_ SIMULATION
_ DESIGN
X CODE GENERATION
_ TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

SOURCE HARDWARE: ______
TARGET HARDWARE: ______
SOURCE SOFTWARE: ______
TARGET SOFTWARE: ______

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM
OPERATING SYSTEM REQUIRED FOR OPERATION: see comments
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID: X COBOL _ FORTRAN _ PL/1 _ BASIC _ ASSEMBLER _ OTHER; SPECIFY: ______

DOCUMENTATION: _ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN
X IN USE FOR 3 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 125 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ______ X PURCHASE PRICE: GSA Schedule

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

OPERATING SYSTEMS REQUIRED: ADR/DL for DATACOM/DB, runs under ADR/ROSCOE or ADR/VOLLIE in DOS/VS through MVS/XA operating system environments.

NAME OF AID: ADR/DL1 TRANSPARENCY
ACRONYM: __________

COMPANY: Applied Data Research, Inc.
STREET : 8227 Old Courthouse Road
CITY/STATE/ZIP: Vienna, VA 22180

REPRESENTATIVE: Mark K. Ruport
TITLE: Vice President, Federal Region
PHONE: (703) 356-7700

DESCRIPTION:
This is migration software that transports existing DL/1 data to DATACOM files and executes existing DL/1 and IMS programs against new Datacom database structure.

CONVERSION TOOL:
_ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: __________
TARGET HARDWARE: __________
SOURCE SOFTWARE: DL1/IMS
TARGET SOFTWARE: DATACOM/DB

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: __________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: __________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR -1 YEARS
X DEMONSTRATIONS
_ PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE:
_ MONTHLY LEASE: __________
X PURCHASE PRICE: GSA Schedule

REFERENCES: COMPANY: 1) __________ 2) __________
CONTACT: 1) __________ 2) __________
TELEPHONE: 1) __________ 2) __________

COMMENTS: See next page.

COMMENTS:

DL1 TRANSPARENCY permits current users of DL/1 to convert to ADR's relational DATACOM/DB. With DL1 TRANSPARENCY, all data is stored in a single relational DBMS. Most existing applications, regardless of their programming language, will operate in the improved relational environment without modification, recompilation, or relink.

NAME OF AID: ADR/IDEAL ACRONYM: __________

COMPANY: Applied Data Research, Inc. REPRESENTATIVE: Mark K. Ruport
STREET : 8227 Old Courthouse Road TITLE: Vice President, Federal Region
CITY/STATE/ZIP: Vienna, VA 22180 PHONE: (703) 356-7700

DESCRIPTION:
This tool is an online (or batch) fourth-generation application design, development, and execution facility. It is especially designed for ADR/DATACOM data base and online applications.

CATEGORY:
_ SIMULATION
X DESIGN
X CODE GENERATION
X TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS, OS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: __________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: __________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 2 YEARS
X DEMONSTRATIONS
_ PRIVATE DOMAIN
X IN USE BY 250 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: __________ X PURCHASE PRICE: GSA schedule

REFERENCES: COMPANY: 1) __________ 2) __________
CONTACT: 1) __________ 2) __________
TELEPHONE: 1) __________ 2) __________

COMMENTS: See next page.

COMMENTS:

IDEAL is an acronym for Interactive Development Environment for an Applications Life-cycle. IDEAL's two primary objectives are: to provide an online application design, development and execution facility, especially for data base and online business applications; to provide an associated automated support environment for design, development, maintenance, and execution activities.

IDEAL offers integration of data dictionary, library, programming, data base, communication, reporting, editing, and utility services.
IDEAL's language and facilities have the following characteristics: oriented toward the development of data base online and batch business data processing applications; designed to lessen the amount of expertise needed to develop data base applications by providing an easy, practical way to use a relational data base; compatible with and designed to support modern structured design and development methodologies. This results in applications that are more readable, maintainable, and reliable, and that are highly interactive, making heavy use of 327X-type work stations.

NAME OF AID: ADR/LIBRARIAN
ACRONYM: __________

COMPANY: Applied Data Research, Inc.
STREET : 8227 Old Courthouse Road
CITY/STATE/ZIP: Vienna, VA 22180

REPRESENTATIVE: Mark K. Ruport
TITLE: Vice President, Federal Region
PHONE: (703) 356-7700

DESCRIPTION:
This is a source program management system.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS, OS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: __________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: __________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 16 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 6000 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: GSA schedule X PURCHASE PRICE: GSA schedule

REFERENCES: COMPANY: 1) __________ 2) __________
CONTACT: 1) __________ 2) __________
TELEPHONE: 1) __________ 2) __________

COMMENTS: See next page.

COMMENTS:

The LIBRARIAN, operating under a wide range of systems and environments, stores and maintains source libraries in compressed format for updates, retrievals, and compilations. A set of simple control statements allows the user to direct these activities easily, while The LIBRARIAN automatically maintains a comprehensive audit trail of any updates performed.

NAME OF AID: ADR/LOCK

ACRONYM: ________

COMPANY: Applied Data Research, Inc.
STREET : 8227 Old Courthouse Road
CITY/STATE/ZIP: Vienna, VA 22180

REPRESENTATIVE: Mark K. Ruport
TITLE: Vice President, Federal Region
PHONE: (703) 356-7700

DESCRIPTION:
This is a real time performance monitor.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS, OS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 6-12K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 10 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 1200 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ________ X PURCHASE PRICE: GSA Schedule

REFERENCES: COMPANY: 1) ________ 2) ________
CONTACT: 1) ________ 2) ________
TELEPHONE: 1) ________ 2) ________

COMMENTS: See next page.

COMMENTS:

Using straightforward commands and concise console displays, LOOK provides immediate system status information and real-time displays of system conditions as they develop.

LOOK offers statistical analysis, collecting a wide variety of information for long-term performance evaluation or focusing only on areas pertinent to a known or suspected performance weakness. Its analyses are accurate because LOOK is free of the distortion that results from subservience to operating system functions.

One possible problem is the classic "deadly embrace" -- a job has one resource and requests another, while simultaneously a second job controls the first job's requested resource and requests the other's reserved resource. Neither job can start; both will wait indefinitely without intervention. Worse yet, all of their acquired resources are unavailable to other jobs. A simple LOOK command, however, will pinpoint problems of this sort.

Other causes of degraded performance include thrashing, contention for scarce resources, high-priority CPU-bound jobs, etc. LOOK's console displays give the operator immediate access to information about the current state of the operating system and its resources to allow him, in conjuction with the systems programmer, to find and correct bottlenecks and to continuously tune the systems's performance.

NAME OF AID: ADR/MetaCOBOL
ACRONYM: __________

COMPANY: Applied Data Research, Inc.
STREET : 8227 Old Courthouse Road
CITY/STATE/ZIP: Vienna, VA 22180

REPRESENTATIVE: Mark K. Ruport
TITLE: Vice President, Federal Region
PHONE: (703) 356-7700

DESCRIPTION:
MetaCOBOL is a proprietary software system which assists COBOL installations in developing, maintaining, testing, debugging, converting, and improving COBOL source programs.

CONVERSION TOOL:
_ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
_ SIMULATION
X DESIGN
X CODE GENERATION
X TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

SOURCE HARDWARE: __________
TARGET HARDWARE: __________
SOURCE SOFTWARE: __________
TARGET SOFTWARE: __________

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS, OS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: __________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: __________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 16 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 1100 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: __________
X PURCHASE PRICE: GSA Schedule

REFERENCES: COMPANY: 1) __________ 2) __________
CONTACT: 1) __________ 2) __________
TELEPHONE: 1) __________ 2) __________

COMMENTS: See next page.

COMMENTS:

The basic MetaCOBOL System, which is operational on IBM/360 and 370, provides facilities ranging from simple substitution to conditional generation of sets of standard COBOL statements. Three extensions to the basic system -- the Test Data Generator, Run-time Debugging Aid, and COBOL Performance Monitor -- facilitate COBOL program testing, debugging, and operational improvement, respectively.

Since the introducton of the MetaCOBOL Translator in 1970, functional sets of procedures have been created as COBOL program development aids and generalized COBOL utilities.

COBOL/SP is an aid to generating structured code. COBOL/MP is a tool for creating macros. MetaCOBOL is used extensively in COBOL conversion efforts.

NAME OF AID: ADR/PC ADROIT
ACRONYM: __________

COMPANY: Applied Data Research, Inc.
STREET : 8227 Old Courthouse Road
CITY/STATE/ZIP: Vienna, VA 22180

REPRESENTATIVE: Mark K. Ruport
TITLE: Vice President, Federal Region
PHONE: (703) 356-7700

DESCRIPTION:
This is a PC-based online interactive training development package for authoring and presenting computer-based training lessons.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC & PC/XT
OPERATING SYSTEM REQUIRED FOR OPERATION: PC DOS
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: 512K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: dependent on number and size of lessons

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: menu driven

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 1+ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: GSA Schedule

REFERENCES: COMPANY: 1) ____________ 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

FUNCTIONS KEY MENUS: ADROIT's menus provide access to all lesson creation functions with one keystroke. These menus are mapped on the screen just as they appear on the keyboard for quick reference. The three levels of ADROIT's menus are for lesson management, frame management, and frame editing. When possible, Function keys are similarly defined in different menus. For example, the F10 key always continues the author to the next appropriate menu and the ESCape key always lets the author back up to the previous menu.

MODEL FRAMES: ADROIT's model frame facility lets authors standardize frames to eliminate repetitive work. This decreases development time and gives courses a standard and cohesive look as defined by the developer. A model frame can include many frame elements such as screen content, colors, size of text, use of graphics, type of student interaction, location and number of student response areas, the method for evaluating and branching responses, special instructions, music, etc. Model frames can also adjust the number and kind of system prompts.

Text and graphics are created on-screen. There's no need to compile a program or put in special codes or commands. What is visible is exactly what the student sees when running a lesson. With the touch of a Function key, a lesson can be run with interaction and branching in student mode. Pressing CTRL-A while in student mode returns the user to creating or editing the lesson.

A SYSTEM WITH ROOM TO GROW: ADROIT gives authors the option of using an authoring language for special applications which might call for complex answer analysis, feedback, and branching. So ADROIT's ease of use also means it's expandable for every level of expertise.

NAME OF AID: ADR/ROSCOE

ACRONYM: ___

COMPANY: Applied Data Research, Inc.
STREET : 8227 Old Courthouse Road
CITY/STATE/ZIP: Vienna, VA 22180

REPRESENTATIVE: Mark K. Ruport
TITLE: Vice President, Federal Region
PHONE: (703) 356-7700

DESCRIPTION:
ROSCOE is an online program development system.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
_ TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM
OPERATING SYSTEM REQUIRED FOR OPERATION: OS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
___ INTERNAL STORAGE (BYTES)
___ EXTERNAL STORAGE (BYTES)
___ OTHER; SPECIFY: ___

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ___

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 16 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 1200 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ___ X PURCHASE PRICE: GSA Schedule

REFERENCES: COMPANY: 1) ___ 2) ___
CONTACT: 1) ___ 2) ___
TELEPHONE: 1) ___ 2) ___

COMMENTS: See next page.

COMMENTS:

Application Programmers can use ROSCOE to: maintain JCL and stored programs; reduce the number of job submittals; automate JCL and job stream generation; keep complete audit trails of production source modules; and maintain load libraries and test data files.

Systems Programmers can use the above facilities and can also use ROSCOE to: maintain system generation information; interactively maintain OS/VSAM data sets; perform JCL and PROCLIB maintenance; monitor system performance; and monitor ROSCOE performance.

Computer operations and production control personnel can use ROSCOE facilities to: maintain JCL and job streams; automate the submission and tracking of production jobs; control production job flow; and obtain information on production scheduling including run books, error messages, and automated recovery procedures.

Data Processing Managers use ROSCOE as the in-house on-line program development system because of the: comprehensive security and accounting facilities; low maintenance effort; and ability to tailor ROSCOE to site requirements.

Clerical Personnel can use ROSCOE's facilities to perform such menu-driven tasks as: data entry; document composition; and memo writing.

Personal Computing: Mathematicians, engineers, accountants, statisticians, and actuaries may use ROSCOE's interactive structured programming language, its Extended Time-Sharing Option (ETSO) or its application programmer facilities for personal computing purposes.

NAME OF AID: ADR/VOLLIE

ACRONYM: __________

COMPANY: Applied Data Research, Inc.
STREET : 8227 Old Courthouse Road
CITY/STATE/ZIP: Vienna, VA 22180

REPRESENTATIVE: Mark K. Ruport
TITLE: Vice President, Federal Region
PHONE: (703) 356-7700

DESCRIPTION:
VOLLIE is an online program development system.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
_ TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: __________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: __________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 8 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 2000 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: __________
X PURCHASE PRICE: GSA Schedule

REFERENCES: COMPANY: 1) __________ 2) __________
CONTACT: 1) __________ 2) __________
TELEPHONE: 1) __________ 2) __________

COMMENTS: See next page.

COMMENTS:

VOLLIE helps application programmers by assisting in: the maintenance and storage of programs and JCL; the reduction of job submissions; the automation of JCL and job stream generation; the production of complete source program audit trails; the maintenance of source libraries and test data files.

VOLLIE aids systems programmers by providing specialized facilities which allow: maintenance of system generation information; interactive maintenance of online files and core image libraries; system performance monitoring; operating system maintenance support through IBM's System IPO/E.

Computer operators and production control personnel can use VOLLIE facilities for: the maintenance of JCL and job streams; the automation of job submission and job tracking; the control of production scheduling.

The data processing manager uses VOLLIE because of: the comprehensive security; the low maintenance effort; the site-customized facilities.

Members of clerical staffs can make use of VOLLIE's extensive facilities by using fully automated menus to perform: data entry and verification; information retrieval.

NAME OF AID: ADR/VSAM TRANSPARENCY ACRONYM: __________

COMPANY: Applied Data Research, Inc. REPRESENTATIVE: Mark K. Ruport
STREET : 8227 Old Courthouse Road TITLE: Vice President, Federal Region
CITY/STATE/ZIP: Vienna, VA 22180 PHONE: (703) 356-7700

DESCRIPTION:
This is migration software that allows online and batch VSAM programs to access DATACOM/DB data base structures.

CONVERSION TOOL:
_ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: ______________________________
TARGET HARDWARE: ______________________________
SOURCE SOFTWARE: ______________________________
TARGET SOFTWARE: ______________________________

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS, OS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______________________________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: __________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 1 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: GSA schedule X PURCHASE PRICE: GSA schedule

REFERENCES: COMPANY: 1) ____________________ 2) ____________________
CONTACT: 1) ____________________ 2) ____________________
TELEPHONE: 1) ____________________ 2) ____________________

COMMENTS: See next page.

COMMENTS:

With VSAM TRANSPARENCY, existing applications operate in the DATACOM/DB environment without modification or relink. Purchased application software that was exclusively available to VSAM users also can be run in the new relational environment without modification.

Application programs are unaware if data is accessed by native VSAM or DATACOM/DB. An application program can access from both environments so migration can be phased.

VSAM TRANSPARENCY provides the ability to split a VSAM file with multiple record types into any number of DATACOM/DB tables. Files containing redundant data can be combined into one DATACOM/DB table. The newly organized tables appear as they always have to VSAM programs but afford the benefits of normalized data in the relational environment. No reprogramming of applications is required.

VSAM TRANSPARENCY includes full support for variable length records. Data processing does not need to write data conversion programs. Utilities are provided with VSAM TRANSPARENCY to unload VSAM files and load the DATACOM/DB data bases automatically.

Full support is provided for CICS application programs and for application software packages that access Key Sequence Data Sets (KSDS). Online programs written in any language are supported through VSAM TRANSPARENCY.

It is not necessary to recompile or relink batch programs to activate VSAM TRANSPARENCY. Instead, a simple JCL change is all that is required. This lessens significantly the amount of setup work that the user has to perform and decreases the amount of computer resources needed. Since no recompile is required, application source code is not needed.

NAME OF AID: APECS/8000

ACRONYM: ______

COMPANY: Automatic Data Processing
STREET : 175 Jackson Plaza
CITY/STATE/ZIP: Ann Arbor, MI 48106

REPRESENTATIVE: Glenn O. Gumley
TITLE: PMS Marketing Manager
PHONE: (313) 769-6800

DESCRIPTION:
APECS/8000 is an integrated project management system designed for multi-project environments ranging from 50 to 32,000 activities.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC VAX 780/750; AT&T 3B2/3B5
OPERATING SYSTEM REQUIRED FOR OPERATION: UNIX V; VMS
COMPUTER: X MAINFRAME X MINI X MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: C

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ______ X PURCHASE PRICE: $37,500.00 +

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

APECS/8000 is designed for the non-data processing professional, and can be operated in menu mode for the novice user and command mode for the expert user who would find menus to be a hindrance.

The distinguishing features of APECS/8000 are the customizable menus and security levels, management graphics, relational DBMS user commands, project summarization and reporting. The main analysis capabilities include CPM/PERT, resource under/overutilization, cost over/underrun/variance, what-ifing, earned value, custom applications and DOD cost schedule control system criteria reporting.

The APECS/8000 system can be operated in an online real-time environment or in deferred mode.

NAME OF AID: BASIS
ACRONYM: ____

COMPANY: Battelle Memorial Institute
STREET : 505 King Avenue
CITY/STATE/ZIP: Columbus, OH 43201

REPRESENTATIVE: Dawn A. Haskins
TITLE: Assoc. Marketing Rep.
PHONE: (614) 424-4695

DESCRIPTION:
BASIS is an interactive online data base management system that possesses advanced handling of textual and numeric data.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC, IBM, CDC, WANG, PRIME
OPERATING SYSTEM REQUIRED FOR OPERATION: see comments
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED:
____ INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: CPU dependent

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
X MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 12 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 350 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: see comments X PURCHASE PRICE: $15,200.00 +

REFERENCES: COMPANY: 1) Software Products Center 2) ____
CONTACT: 1) BASIS Coordinator 2) ____
TELEPHONE: 1) 1-800-328-2648 2) ____

COMMENTS: See next page.

COMMENTS:

OPERATING SYSTEMS REQUIRED: MVS/TSO, VM/CMS; NOS, NOS/BE; TOPS-10, TOPS-20, VMS; PRIMOS, VS.

MONTHLY LEASE: 1/3 of module price

BASIS features integrated modular design which is easily modified for the organization's changing requirements. Proprietary retrieval algorithms and advanced storage techniques allow efficient information processing. Complex searching is accomplished through word proximity and embedded string searching, Boolean operators, and index browsing.

BASIS functions include: term and phrase searching via inverted indexes, variable length data elements and records, full thesaurus capabilities, a procedures file that allows sessions to be saved for later use, a sort program, computation module, session monitoring, formatted screens and a line editor for record creation and editing, a user-oriented data definition language, online report definition and production, and system security.

BASIS requires no programming to implement applications, and a menu-driven data base is easily created. The system is used in a variety of areas, including bibliographic, engineering, litigation, marketing, manufacturing, scientific, publishing, and personnel applications.

OPERATING SYSTEMS REQUIRED: MVS/TSO, VM/CMS; NOS, NOS/BE; TOPS-10, TOPS-20, VMS; PRIMOS, VS.

MONTHLY LEASE: 1/3 of module price

NAME OF AID: DM
ACRONYM: ________

COMPANY: Battelle Memorial Institute
STREET : 505 King Avenue
CITY/STATE/ZIP: Columbus, OH 43201

REPRESENTATIVE: Dawn A. Haskins
TITLE: Assoc. Marketing Rep.
PHONE: (614) 424-4695

DESCRIPTION:
DM is a new generation relational data base management system with refined full-text and numeric data handling for information center and production operations.

CATEGORY:
☐ SIMULATION
☐ DESIGN
☐ CODE GENERATION
☐ TESTING
☐ MAINTENANCE
☐ DOCUMENTATION
☒ OPERATION
☐ PERFORMANCE MEASURE
☒ SUPPLEMENTAL SUPPORT
☒ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC, CDC
OPERATING SYSTEM REQUIRED FOR OPERATION: VMS, NOS/BE
COMPUTER: ☒ MAINFRAME ☒ MINI ☐ MICRO

RESOURCES REQUIRED:
☐ INTERNAL STORAGE (BYTES)
☐ EXTERNAL STORAGE (BYTES)
☒ OTHER; SPECIFY: CPU dependent

LANGUAGE(S) OF AID:
☒ COBOL
☒ FORTRAN
☐ PL/1
☐ BASIC
☒ ASSEMBLER
☐ OTHER; SPECIFY: ________

DOCUMENTATION:
☐ TECHNICAL PAPER
☒ MAINTENANCE MANUAL
☐ SPECIFICATION (DEV/PLAN)
☒ USER MANUAL
☐ TEST/PLAN PROCEDURE
☐ FULL DOCUMENTATION

ACCESSIBILITY:
☐ PUBLIC DOMAIN
☒ IN USE FOR 1 YEARS
☒ DEMONSTRATIONS
☒ PRIVATE DOMAIN
☒ IN USE BY 9 FIRMS
☒ TRAINING

PRICE: ☒ MONTHLY LEASE: see comments ☒ PURCHASE PRICE: $29,000.00 +

REFERENCES: COMPANY: 1) Software Products Center 2) ________
CONTACT: 1) BASIS Coordinator 2) ________
TELEPHONE: 1) 1-800-328-2648 2) ________

COMMENTS: See next page.

COMMENTS:

DM is a fourth generation dictionary-driven DBMS designed for hierarchical, network, and relational models. Data is stored in simple "flat files" or relations which let users work with normalized two-dimensional tables.

A balanced-tree access method of indexing is utilized which allows individual records to be directly accessed by using a primary key. DM supports variable length data elements and records, and real-time updating. Integrity constraints ensure that only valid data values may be stored in the data base. A multi-threaded central processor permits multi-task processing by many simultaneous users.

DM supports both high-level user oriented interfaces for end users and host language interfaces for programmers. DM includes a terminal support module that allows creation of terminal-oriented applications, and features a non-procedural language for describing the format of a report. Other features include recovery techniques, transaction processing, and a user I.D. security system.

NAME OF AID: HOST Capacity & Performance Management Sys
ACRONYM: __________

COMPANY: BGS Systems, Inc.
STREET : One University Office Park
CITY/STATE/ZIP: Waltham, MA 02254

REPRESENTATIVE: Steve Ballew
TITLE: Manager of Federal Systems
PHONE: __________

DESCRIPTION:
These tools help users plan for future hardware and software upgrades, plan for work-load growth and new applications, tune their systems for improved performance, and control costs of hardware, software, and personnel.

CATEGORY:
X SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
X OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 308X, 4381, 3090
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS, VM
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: 1800 Kb Internal Storage

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: __________

DOCUMENTATION:
X TECHNICAL PAPER
X MAINTENANCE MANUAL
X SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 10 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 800 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: __________ X PURCHASE PRICE: $39,500.00

REFERENCES: COMPANY: 1) __________ 2) __________
CONTACT: 1) __________ 2) __________
TELEPHONE: 1) __________ 2) __________

COMMENTS: See next page.

COMMENTS:

These performance prediction modeling tools analyze "what if" situations to optimize system functions, determine when upgrades will be required, evaluate hardware alternatives, and assess the performance impact of new applications or growth in existing work loads.

NAME OF AID: Network Capacity and Performance System
ACRONYM:

COMPANY: BGS Systems, Inc.
STREET : One University Office Park
CITY/STATE/ZIP: Waltham, MA 02254
REPRESENTATIVE: Steve Ballew
TITLE: Manager of Federal Systems
PHONE:

DESCRIPTION:
The Network Capacity and Performance Management System provides performance analysis and reporting, capacity planning, tuning, and design capabilities for both simple networks and large multidomain backbone SNA networks.

CATEGORY:
X SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
X OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 308X, 4381, 3090
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS, VM
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
2Mb INTERNAL STORAGE (BYTES)
EXTERNAL STORAGE (BYTES)
OTHER; SPECIFY:

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY:

DOCUMENTATION:
X TECHNICAL PAPER
X MAINTENANCE MANUAL
X SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 10 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 800 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE:
X PURCHASE PRICE: $49-67,000

REFERENCES: COMPANY: 1) 2)
CONTACT: 1) 2)
TELEPHONE: 1) 2)

COMMENTS: See next page.

COMMENTS:

This tool produces reports that assist in establishing service levels. It regularly monitors performance against agreed upon standards, identifies performance bottlenecks and locates causes for service degradation. It also provides information about new applications or growth in existing work loads.

NAME OF AID: 1401 SERIES OBJECT CODE TO COBOL TRANSLATOR
ACRONYM: CS-TRAN

COMPANY: C-S Computer Systems, Inc.
STREET : 200 S. Main, Box 356
CITY/STATE/ZIP: Manville, NJ 08835
REPRESENTATIVE: John E. Czerkies
TITLE:
PHONE: (201)526-9000

DESCRIPTION:
System accepts as input a 1401/40/60 object program and converts it to COBOL for IBM 360/370 DOS, DOS/VSE, OS, OS/VS, OS/MVS, OS/XA, UNIVAC 9400, Burroughs B-3500 or Honeywell.

CONVERSION TOOL:
X TRANSLATOR
_ CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE:
TARGET HARDWARE:
SOURCE SOFTWARE: see comments
TARGET SOFTWARE:

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 360/370, 43XX, 308X
OPERATING SYSTEM REQUIRED FOR OPERATION: OS, OS/VS, OS/MVS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
256K INTERNAL STORAGE (BYTES)
5Mb EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY:

LANGUAGE(S) OF AID: _ COBOL _ PL/1 X ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY:

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 15 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 500+ FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $950.00 X PURCHASE PRICE: $55,000.00

REFERENCES: COMPANY: 1) E.I. duPont de Nemours 2) Navy Ships Parts Ctrl Ctr
CONTACT: 1) Mario Fabi 2) Jack Kissinger
TELEPHONE: 1) (716) 254-1100 2) (717) 790-4936

COMMENTS: See next page.

COMMENTS:

CS-TRAN permits a user to supply paragraph names, COBOL record or data area definitions in either standard COBOL format or a simplified psuedo-COBOL form. The use of this facility permits the system to generate a program closely resembling one written by a COBOL programmer. In addition, it permits an installation to standardize record definition and/or paragraph names. If the original program utilizes the standard IBM tape autocoder IOCS, it is detected, record lengths and blocking factors are extracted, and at every linkage point to the IOCS, the appropriate COBOL equivalent statement is generated.

The output consists of a COBOL source program, and a listing containing user supplied definitions, the 1401 load format, the original 1401 program, a cross-reference of the 1401 program, the 1401 core that contains dead code, a COBOL data and procedure division, a COBOL cross-reference, diagnostic messages and a recap of the options selected and run statistics.

NAME OF AID: File Compare Utility ACRONYM: CS-COMP

COMPANY: C-S Computer Systems, Inc.
STREET : 200 S. Main St., Box 356
CITY/STATE/ZIP: Manville, NJ 08835

REPRESENTATIVE: John E. Czerkies
TITLE:
PHONE: (201) 526-9000

DESCRIPTION:
This tool compares corresponding records on sequential and/or index sequential files and lists all differences between them.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM (all)
OPERATING SYSTEM REQUIRED FOR OPERATION: OS/VS/MVS/XA:DOS/VS/VSE
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: 96K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY:

LANGUAGE(S) OF AID: _ COBOL _ FORTRAN _ PL/1 _ BASIC X ASSEMBLER _ OTHER; SPECIFY:

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 14 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 75 FIRMS
_ TRAINING

PRICE: X MONTHLY LEASE: $60.00 X PURCHASE PRICE: $2,400.00

REFERENCES: COMPANY: 1) Jerry Phillips 2) Eugene Kobryn
CONTACT: 1) Allstate Insurance Co. 2) Weston Instruments
TELEPHONE: 1) (312) 291-5000 2) (201) 242-2600

COMMENTS: See next page.

COMMENTS:

CS-COMP is an OS/DOS utility program which compares corresponding records on sequential and/or index sequential files and lists all differences between them. When two records being compared have differences, both records are printed, one directly below the other with asterisks appearing under the unequal positions of the records. For OS systems, the dataset information is entered via JCL. For DOS systems, file information will be on a control card.

Some of the features which make this program flexible are: comparison can be made on a record basis or on a control sequence; only records with equal control fields are compared; all unmatched records on either file are printed as unequal; known differences which would inhibit an otherwise equal compare can be ignored; a hex representation of the record can be printed, if desired; compares can be made on records of unequal length; the number of pages of printout can be controlled; records in the compare can be defined by the JCL or by a character in the block.

NAME OF AID: C3 Wang Document Translator
ACRONYM: ______

COMPANY: C3, Inc.
STREET : 11425 Isaac Newton Square, S.
CITY/STATE/ZIP: Reston, VA 22090

REPRESENTATIVE: Ken Carlson
TITLE: Marketing Manager
PHONE: (703) 478-2700/(703) 471-6000

DESCRIPTION:
The C3 Wang Document Translator is a utility program which converts Wang OIS Word Processor documents to Convergent Technologies Document Exchange Format (DEF). The Translator reproduces all the formatting of the original Wang document.

CONVERSION TOOL:
X TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: Wang
TARGET HARDWARE: Convergent Technologies
SOURCE SOFTWARE: ______
TARGET SOFTWARE: ______

HARDWARE/MODEL REQUIRED FOR OPERATION: Convergent Technologies workstations
OPERATING SYSTEM REQUIRED FOR OPERATION: CTOS 8.0 or above or equivalent
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED:
100K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: see comments

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: PLM86

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR -1 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 1 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ______ X PURCHASE PRICE: $3,000.00

REFERENCES:
COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

This package operates on Convergent Technologies workstations including NGEN, Megaframe SRP, IWS, MWS, AWS or equivalent. This package assumes availability of a Wang OIS system and requires 2780/3780 terminal emulator 9.2 (or above) and CT-Word Processor 8.4 (or above) on the Convergent Technologies machine.

NAME OF AID: C3-COBOL/75 ACRONYM: ________

COMPANY: C3, Inc. REPRESENTATIVE: Ken Carlson
STREET : 11425 Isaac Newton Square, S. TITLE: Marketing Manager
CITY/STATE/ZIP: Reston, VA 22090 PHONE: (703) 478-2700/(703) 471-6000

DESCRIPTION:
C3-COBOL/75 is an ANSI 74 High Level COBOL compiler that has been validated by the General Services Administration with no errors. A symbolic debugger is included with the package.

CATEGORY:
_ SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
X OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: Perkin-Elmer 3200 series
OPERATING SYSTEM REQUIRED FOR OPERATION: OS/32
COMPUTER: _ MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: 120K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID: _ COBOL _ PL/1 X ASSEMBLER
X FORTRAN _ BASIC _ OTHER; SPECIFY: ________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 3 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 5 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ________ X PURCHASE PRICE: $5,000.00

REFERENCES: COMPANY: 1) U.S. Navy 2) ________
CONTACT: 1) Mike Barnes 2) ________
TELEPHONE: 1) (619) 235-2411 2) ________

COMMENTS: See next page.

COMMENTS:

The right of copy for the software can be purchased for $1,650.00.

NAME OF AID: PE/SEED DBMS
ACRONYM: ______

COMPANY: C3, Inc.
STREET : 11425 Isaac Newton Square, S.
CITY/STATE/ZIP: Reston, VA 22090

REPRESENTATIVE: Ken Carlson
TITLE: Marketing Manager
PHONE: (703) 478-2700/ (703) 471-6000

DESCRIPTION:
PE/SEED is a full feature comprehensive data base management system for Perkin-Elmer minicomputers. PE/SEED includes technical components for applications development and non-procedural components for data retrieval, analysis, and reporting.

CATEGORY:
_ SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
X OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: Perkin-Elmer 3200 series
OPERATING SYSTEM REQUIRED FOR OPERATION: OS/32 6.2 or above
COMPUTER: _ MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: 400K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 4 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 6 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ______
X PURCHASE PRICE: $65,000.00

REFERENCES: COMPANY: 1) RCA
CONTACT: 1) Gordon Bechart
TELEPHONE: 1) (609) 338-3952
2) McDonnell Douglas
2) John Linden
2) (714) 896-3361

COMMENTS: None

NAME OF AID: Task Master

ACRONYM: ____

COMPANY: C3, Inc.
STREET : 11425 Isaac Newton Square, S.
CITY/STATE/ZIP: Reston, VA 22090

REPRESENTATIVE: Ken Carlson
TITLE: Marketing Manager
PHONE: (703) 478-2700/ (703) 471-6000

DESCRIPTION:
Task Master is a project management package allowing systematized planning using the critical path method. Critical tasks are identified as well as resource overloads (i.e., people, machines, etc.).

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: Convergent Technologies workstations
OPERATING SYSTEM REQUIRED FOR OPERATION: CTOS version 9.0 or above or equivalent
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: 300K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: PLM86

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 1 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 100 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: $2,500.00

REFERENCES: COMPANY: 1) GSA 2) ____
CONTACT: 1) Mark Miller, COTR ATRS 2) ____
TELEPHONE: 1) (202) 535-7643 2) ____

COMMENTS: See next page.

COMMENTS:

This package operates on Convergent Technologies workstations including NGEN, Megaframe SRP, IWS, MWS, AWS or equivalent. This package also features dot-matrix printer and graphic plotter support allowing output of charts and network diagrams showing all tasks, milestones, associated costs, dependencies and critical dates.

NAME OF AID: UniForm
ACRONYM: ____

COMPANY: C3, Inc.
STREET : 11425 Isaac Newton Square, S.
CITY/STATE/ZIP: Reston, VA 22090

REPRESENTATIVE: Ken Carlson
TITLE: Marketing Manager
PHONE: (703) 478-2700/(703) 471-6000

DESCRIPTION:
UniForm is a general purpose forms management and data entry package that provides sophisticated screen formatting, editing and data entry into files or directly into a data base with data verification.

CATEGORY:
_ SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
X OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: Perkin-Elmer, Conv. Tech., Altos, Plexus
OPERATING SYSTEM REQUIRED FOR OPERATION: see comments
COMPUTER: _ MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
____ INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: C

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 2 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 5 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ____
X PURCHASE PRICE: $5,000.00

REFERENCES: COMPANY: 1) U.S. Navy 2) ____
CONTACT: 1) Bill Largen 2) ____
TELEPHONE: 1) (904) 452-1467 2) ____

COMMENTS: See next page.

COMMENTS:

The price of the right of copy is $1,650.00.

This program is written in highly portable C and is currently operating on several computers:

UNIFORM SUPPORTED SYSTEMS:

HARDWARE	OPERATING SYSTEM
Perkin-Elmer 3200 Series	OS/32 version 6.2.4 or above
Perkin-Elmer 3200 Series	UNIX (XELOS R00.00 or above)
Convergent Technologies Megaframe	UNIX (CTIX)
Altos 586/986	UNIX (XENIX)
Plexus P60/P35	UNIX

MEMORY REQUIREMENTS:	OS/32	UNIX
Forms Utility	198K	122K
Master Menu	48K	40K
Technical Maintenance	130K	N/A
Data Entry	150K	121K
Data Base Entry	154K	121K
File Reformat Utility	134K	83K

UNIX is a trademark of Bell Laboratories.
XENIX is a trademark of Microsoft, Inc.

NAME OF AID: ALGOL to FORTRAN ACRONYM: ______

COMPANY: CAP GEMINI DASD REPRESENTATIVE: E.J. Dale
STREET : 9160 Red Branch Road TITLE: Vice President Marketing
CITY/STATE/ZIP: Columbia, MD 21045 PHONE: (301) 596-0080/(800) 558-5148

DESCRIPTION:
This translator generates the FORTRAN programs in standard fixed format with standard alignment of declarative elements and consistent indentation of procedural statements.

CONVERSION TOOL: X TRANSLATOR
_ CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: Burroughs
TARGET HARDWARE: IBM
SOURCE SOFTWARE: ALGOL
TARGET SOFTWARE: FORTRAN

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM
OPERATING SYSTEM REQUIRED FOR OPERATION: OS/MVS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 1024K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID: _ COBOL X PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC X OTHER; SPECIFY: LVLF

DOCUMENTATION: _ TECHNICAL PAPER X USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) _ FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN _ PRIVATE DOMAIN
X IN USE FOR 2 YEARS _ IN USE BY ____ FIRMS
_ DEMONSTRATIONS _ TRAINING

PRICE: _ MONTHLY LEASE: ______ X PURCHASE PRICE: upon request

REFERENCES: COMPANY: 1) available upon request 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

The generated FORTRAN conforms to the latest ANSI standard except where that standard is not supported by the output Fortran.

NAME OF AID: COBOL to COBOL ACRONYM: __________

COMPANY: CAP GEMINI DASD REPRESENTATIVE: E.J. Dale
STREET : 9160 Red Branch Road TITLE: Vice President Marketing
CITY/STATE/ZIP: Columbia, MD 21045 PHONE: (301) 596-0080/(800) 558-5148

DESCRIPTION:
The COBOL to COBOL translator facilitates conversion between most vendors. The utility converts most COBOL language elements. Principal areas of change include SELECT clauses, FDs, data usages and I/O statements.

CONVERSION TOOL: X TRANSLATOR
_ CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: see comments
TARGET HARDWARE: see comments
SOURCE SOFTWARE: COBOL
TARGET SOFTWARE: COBOL

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM
OPERATING SYSTEM REQUIRED FOR OPERATION: OS/MVS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 1024K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: __________

LANGUAGE(S) OF AID: _ COBOL X PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: __________

DOCUMENTATION: _ TECHNICAL PAPER X USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) _ FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN _ PRIVATE DOMAIN
X IN USE FOR 8 YEARS X IN USE BY 750 FIRMS
_ DEMONSTRATIONS _ TRAINING

PRICE: _ MONTHLY LEASE: __________ X PURCHASE PRICE: upon request

REFERENCES: COMPANY: 1) available upon request 2) __________
CONTACT: 1) __________ 2) __________
TELEPHONE: 1) __________ 2) __________

COMMENTS: See next page.

COMMENTS:

HARDWARE CONVERSION FROM:

Burroughs TO: Burroughs, Data General, HP3000, IBM, NCR, Tandem

DEC TO: DEC, IBM, Univac

IBM TO: Burroughs, CDC, DEC, Honeywell, HP3000, IBM, NCR, Tandem

Honeywell TO: Burroughs, Data General, Honeywell, IBM, NCR, Tandem

NCR TO: Data General, NCR

CDC, CSC, Data General, HP, NCR TO: IBM

The programs are completely written in a standard readable format. All items affected by the translator are flagged in an output COBOL listing. A list of the input is also available.

NAME OF AID: DIBOL to COBOL ACRONYM: ____

COMPANY: CAP GEMINI DASD REPRESENTATIVE: E.J. Dale
STREET : 9160 Red Branch Road TITLE: Vice President Marketing
CITY/STATE/ZIP: Columbia, MD 21045 PHONE: (301) 596-0800/(800) 558-5148

DESCRIPTION:
This translator converts DEC DIBOL code to ANSI COBOL code for a variety of manufacturers including Data General and IBM.

CONVERSION TOOL: X TRANSLATOR
_ CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: DEC
TARGET HARDWARE: variety of manufacturers
SOURCE SOFTWARE: DIBOL
TARGET SOFTWARE: ANSI COBOL

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM
OPERATING SYSTEM REQUIRED FOR OPERATION: OS/MVS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 1248K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID: _ COBOL X PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC X OTHER; SPECIFY: LVLF

DOCUMENTATION: _ TECHNICAL PAPER X USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) _ FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN _ PRIVATE DOMAIN
X IN USE FOR 5 YEARS _ IN USE BY ____ FIRMS
_ DEMONSTRATIONS _ TRAINING

PRICE: _ MONTHLY LEASE: ____ _ PURCHASE PRICE: upon request

REFERENCES: COMPANY: 1) available upon request 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

All data division constructs and most batch procedural instructions are handled. The translator performs global analysis in order to generate the required SELECT clauses and associated file definitions. The utility can detect and convert most DIBOL programming techniques including rounding, field editing, subscripting and substringing. Both the input DIBOL and output COBOL are listed by the converter along with diagnostic messages highlighting any untranslated operation codes. Sequence numbers are associated with each input and output statement to facilitate any manual review. Multiple client options include benchmarks, per-line translation, lease of the translator and turnkey conversions. Maintenance of the license is available.

NAME OF AID: DUDT On-Line ACRONYM: DUDT

COMPANY: CAP GEMINI DASD REPRESENTATIVE: E.J. Dale
STREET : 9160 Red Branch Road TITLE: Vice President Marketing
CITY/STATE/ZIP: Columbia, MD 21045 PHONE: (301) 596-0800/(800) 558-5148

DESCRIPTION:
The DUDT is an interactive software utility designed to provide users with a tool to facilitate the conversion, reformatting or creation of application data files.

CONVERSION TOOL: _ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: ____
TARGET HARDWARE: ____
SOURCE SOFTWARE: ____
TARGET SOFTWARE: ____

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 360/370, 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: OS/MVS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 2048K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID: X COBOL _ PL/1 X ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ____

DOCUMENTATION: _ TECHNICAL PAPER X USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) _ FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN _ PRIVATE DOMAIN
X IN USE FOR 2 YEARS _ IN USE BY ____ FIRMS
_ DEMONSTRATIONS _ TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: upon request

REFERENCES: COMPANY: 1) available upon request 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

The product is an easy-to-use, menu-driven system with online tutorial functions that lead the user through an interactive session to define the desired file manipulation. The DUDT can be used to establish procedures for the effective control of conversions and file creation. Outside data files can quickly be converted with a detailed audit trail of the process. Test and production file creation or reformatting for new or modified application software can be handled quickly and allow for the elimination of redundant, non-productive time spent on this task.

NAME OF AID: FORTRAN to FORTRAN ACRONYM: ____

COMPANY: CAP GEMINI DASD REPRESENTATIVE: E.J. Dale
STREET : 9160 Red Branch Road TITLE: Vice President Marketing
CITY/STATE/ZIP: Columbia, MD 21045 PHONE: (301) 596-0080/(800) 558-5148

DESCRIPTION:
This productivity aid facilitates the translation of any FORTRAN to any other FORTRAN.

CONVERSION TOOL: X TRANSLATOR
_ CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: see comments
TARGET HARDWARE: see comments
SOURCE SOFTWARE: FORTRAN
TARGET SOFTWARE: FORTRAN

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM
OPERATING SYSTEM REQUIRED FOR OPERATION: OS/MVS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 1280K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID: _ COBOL X PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC X OTHER; SPECIFY: LVLF

DOCUMENTATION: _ TECHNICAL PAPER X USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) _ FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN _ PRIVATE DOMAIN
X IN USE FOR 5 YEARS _ IN USE BY ____ FIRMS
_ DEMONSTRATIONS _ TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: upon request

REFERENCES: COMPANY: 1) available upon request 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

HARDWARE CONVERSION FROM: Burroughs, CDC, Data General, DEC, Honeywell, Prime, Univac

HARDWARE CONVERSION TO: IBM

CONVERSION FROM ICL to Siemens

The design of this parameter-driven translator allows it to translate all FORTRANs, both formatted or free-form, regardless of hardware type. It saves users who are moving from one environment to another the time and cost of rewriting existing programs manually. It produces a listing of translated programs and line-by-line diagnostic messages and comments, and can produce an old name/new cross-reference table at the start of a program.

NAME OF AID: RPG/RPGII to COBOL ACRONYM: ____

COMPANY: CAP GEMINI DASD REPRESENTATIVE: E.J. Dale
STREET : 9160 Red Branch Road TITLE: Vice President Marketing
CITY/STATE/ZIP: Columbia, MD 21045 PHONE: (301) 596-0800/(800) 558-51489

DESCRIPTION:
This translator accepts all types of RPG code and produces ANSI COBOL code for a variety of manufacturers.

CONVERSION TOOL: ☒ TRANSLATOR
☐ CONVERSION AID
☐ EMULATOR
☐ SIMULATOR

SOURCE HARDWARE: ____
TARGET HARDWARE: ____
SOURCE SOFTWARE: RPG
TARGET SOFTWARE: ANSI COBOL

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM
OPERATING SYSTEM REQUIRED FOR OPERATION: OS/MVS
COMPUTER: ☒ MAINFRAME ☐ MINI ☐ MICRO

RESOURCES REQUIRED: 1024K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID: ☐ COBOL ☒ PL/1 ☐ ASSEMBLER
☐ FORTRAN ☐ BASIC ☒ OTHER; SPECIFY: LVLF

DOCUMENTATION: ☐ TECHNICAL PAPER ☒ USER MANUAL
☐ MAINTENANCE MANUAL ☐ TEST/PLAN PROCEDURE
☐ SPECIFICATION (DEV/PLAN) ☐ FULL DOCUMENTATION

ACCESSIBILITY: ☐ PUBLIC DOMAIN ☐ PRIVATE DOMAIN
☒ IN USE FOR 8 YEARS ☐ IN USE BY ____ FIRMS
☐ DEMONSTRATIONS ☐ TRAINING

PRICE: ☐ MONTHLY LEASE: ____ ☒ PURCHASE PRICE: upon request

REFERENCES: COMPANY: 1) available upon request 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

Automatic editing, chain files, exception output, subroutines, look-ahead logic, force files, demand files, table handling, bit operations and VSAM files are only some of the RPG features handled. The output COBOL is modular in design and follows the basic RPG process cycle. RPG data and procedure names are always used, unless they are COBOL reserved words. Multiple client options include benchmarks, per-line translation, lease of the translator and turnkey conversion.

NAME OF AID: RPG/SGRF to COBOL/CICS ACRONYM: ________

COMPANY: CAP GEMINI DASD REPRESENTATIVE: E.J. Dale
STREET : 9160 Red Branch Road TITLE: Vice President Marketing
CITY/STATE/ZIP: Columbia, MD 21045 PHONE: (301) 596-0080/(800) 558-5148

DESCRIPTION:
This is an online screen handler capable of upgrading IBM Systems 34 and 36 to Systems 43XX or 30XX, VSE or MVS. It enables end-users to generate CICS Command Level COBOL programs and BMS modes.

CONVERSION TOOL: _ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: IBM 34/36
TARGET HARDWARE: IBM 43XX, 30XX
SOURCE SOFTWARE: RPG SGRF
TARGET SOFTWARE: COBOL CICS

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM
OPERATING SYSTEM REQUIRED FOR OPERATION: OS/MVS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 1024K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ________

LANGUAGE(S) OF AID: _ COBOL X PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC X OTHER; SPECIFY: LVLF

DOCUMENTATION: _ TECHNICAL PAPER X USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) _ FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN _ PRIVATE DOMAIN
X IN USE FOR 1 YEARS _ IN USE BY ____ FIRMS
_ DEMONSTRATIONS _ TRAINING

PRICE: _ MONTHLY LEASE: ________ X PURCHASE PRICE: upon request

REFERENCES: COMPANY: 1) available upon request 2) ________
CONTACT: 1) ________ 2) ________
TELEPHONE: 1) ________ 2) ________

COMMENTS: None

NAME OF AID: MANTIS

ACRONYM:

COMPANY: Cincom Systems, Inc.
STREET : 9461 Silver King Center
CITY/STATE/ZIP: Fairfax, VA 22031

REPRESENTATIVE: Ken Santucci
TITLE: Marketing Mgr., US Operations
PHONE: (703) 352-4482

DESCRIPTION:
This product is a fourth generation language which provides complete, beginning-to-end application development all in one sitting. MANTIS features online development, conversational language, menu-driven operation, and interpretive logic.

CONVERSION TOOL:
- ☐ TRANSLATOR
- ☒ CONVERSION AID
- ☐ EMULATOR
- ☐ SIMULATOR

SOFTWARE TOOL:
- ☒ SIMULATION
- ☒ DESIGN
- ☒ CODE GENERATION
- ☒ TESTING
- ☒ MAINTENANCE
- ☒ DOCUMENTATION
- ☐ OPERATION
- ☒ PERFORMANCE MEASURE
- ☐ SUPPLEMENTAL SUPPORT
- ☐ PROJECT MANAGEMENT

SOURCE HARDWARE: IBM, DEC
TARGET HARDWARE: DEC, IBM
SOURCE SOFTWARE:
TARGET SOFTWARE:

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM, IBM compatible, DEC, WANG, IBM PC
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS, VSE, OS-VS1, OS-MVS
COMPUTER: ☒ MAINFRAME ☒ MINI ☐ MICRO

RESOURCES REQUIRED:
- ☐ INTERNAL STORAGE (BYTES)
- ☐ EXTERNAL STORAGE (BYTES)
- ☒ OTHER; SPECIFY: depends on components installed

LANGUAGE(S) OF AID:
- ☐ COBOL
- ☐ FORTRAN
- ☐ PL/1
- ☐ BASIC
- ☐ ASSEMBLER
- ☒ OTHER; SPECIFY: MANTIS

DOCUMENTATION:
- ☒ TECHNICAL PAPER
- ☒ MAINTENANCE MANUAL
- ☒ SPECIFICATION (DEV/PLAN)
- ☒ USER MANUAL
- ☒ TEST/PLAN PROCEDURE
- ☒ FULL DOCUMENTATION

ACCESSIBILITY:
- ☐ PUBLIC DOMAIN
- ☒ IN USE FOR 4 YEARS
- ☒ DEMONSTRATIONS
- ☒ PRIVATE DOMAIN
- ☒ IN USE BY 1500 FIRMS
- ☒ TRAINING

PRICE: ☐ MONTHLY LEASE: ☒ PURCHASE PRICE: $13-53,000

REFERENCES: COMPANY:	1) available upon request	2)
CONTACT:	1)	2)
TELEPHONE:	1)	2)

COMMENTS: None

NAME OF AID: The Information System
ACRONYM: TIS

COMPANY: Cincom Systems, Inc.
STREET : 9461 Silver King Center
CITY/STATE/ZIP: Fairfax, VA 22031

REPRESENTATIVE: Ken Santucci
TITLE: Mkting. Mgr., U.S. Operations
PHONE: (703) 352-4482

DESCRIPTION:
TIS is a complete information system which is comprised of a Relational Data Base Management System, Business Control Applications, Decision Support Systems, Network Management and a PC Link.

CONVERSION TOOL:
X TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
X SIMULATION
X DESIGN
X CODE GENERATION
X TESTING
X MAINTENANCE
X DOCUMENTATION
X OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

SOURCE HARDWARE: IBM, DEC
TARGET HARDWARE: DEC, IBM
SOURCE SOFTWARE:
TARGET SOFTWARE:

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM, IBM compatible, DEC, WANG, IBM PC
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS, VSE, OS/VS1, OS/MVS
COMPUTER: X MAINFRAME X MINI X MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: varies with components installed

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
X PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: MANTIS

DOCUMENTATION:
X TECHNICAL PAPER
X MAINTENANCE MANUAL
X SPECIFICATION (DEV/PLAN)
X USER MANUAL
X TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 6 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 150 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: _ PURCHASE PRICE:

REFERENCES: COMPANY: 1) 2)
CONTACT: 1) 2)
TELEPHONE: 1) 2)

COMMENTS: None

NAME OF AID: Clinical Data Manager
ACRONYM: CDM

COMPANY: Clinical Data
STREET : 1172 Commonwealth Avenue
CITY/STATE/ZIP: Boston, MA 02134
REPRESENTATIVE: Chester King
TITLE: Product Manager
PHONE: (617) 734-3700

DESCRIPTION:
Clinical Data Manager is a programmerless full function DBMS for applications development, conversion or existing applications and translation to ANSI MUMPS (XII.I).

CONVERSION TOOL:
X TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
_ SIMULATION
X DESIGN
X CODE GENERATION
_ TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

SOURCE HARDWARE:
TARGET HARDWARE:
SOURCE SOFTWARE: ASCII, EBCDIC
TARGET SOFTWARE: ANSII XII.I MUMPS

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC, IBM, Motorola, Convergent Tech.
OPERATING SYSTEM REQUIRED FOR OPERATION: ANSI XII.I MUMPS, VMS, UNIX, DOS
COMPUTER: _ MAINFRAME X MINI X MICRO

RESOURCES REQUIRED: 512K INTERNAL STORAGE (BYTES)
10Mb EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY:

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: ANSIXII.I MUMP

DOCUMENTATION:
X TECHNICAL PAPER
X MAINTENANCE MANUAL
X SPECIFICATION (DEV/PLAN)
X USER MANUAL
X TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 8 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 30 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ___________ X PURCHASE PRICE: $4-10,000.00

REFERENCES: COMPANY: 1) Harvard University 2) McMaster Hospital
CONTACT: 1) Gerry Siddons 2) Peter Pettingill
TELEPHONE: 1) (617) 732-0873 2) (416) 521-2100

COMMENTS: None

NAME OF AID: Dossier Browse
ACRONYM: ____

COMPANY: Computer Concepts, Inc.
STREET : 6443 S.W. Beaverton Highway
CITY/STATE/ZIP: Portland, OR 97221
REPRESENTATIVE: Aaron C. Embree
TITLE: Marketing
PHONE: (503) 297-4741

DESCRIPTION:
Dossier Browse is a documentation/system maintenance tool. It provides library searches for character strings on all DOS system libraries as well as ICCF libraries.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
X MAINTENANCE
X DOCUMENTATION
X OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 360, 370, 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS/VS/E
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
____ INTERNAL STORAGE (BYTES)
225K EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
X IN USE BY 100 FIRMS
_ TRAINING

PRICE: X MONTHLY LEASE: $125.00 X PURCHASE PRICE: $3,650.00

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: None

NAME OF AID: Dossier Prove ACRONYM: ____

COMPANY: Computer Concepts, Inc.
STREET : 6443 S.W. Beaverton Highway
CITY/STATE/ZIP: Portland, OR 97221

REPRESENTATIVE: Aaron C. Embree
TITLE: Marketing
PHONE: (503) 297-4741

DESCRIPTION:
Dossier Prove provides the user with a wide range of reports from a cross reference of programs to files and called modules to an audit report of the production CORE Image and RELO libraries.

CONVERSION TOOL:
_ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
X MAINTENANCE

X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

SOURCE HARDWARE: ____
TARGET HARDWARE: ____
SOURCE SOFTWARE: DOS/VS/E
TARGET SOFTWARE: OS/MVS

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 360, 370, 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS/VS/E
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: ____ INTERNAL STORAGE (BYTES)
225K EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
X IN USE BY 1500 FIRMS
_ TRAINING

PRICE: X MONTHLY LEASE: $125.00 X PURCHASE PRICE: $3,650.00

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: None

NAME OF AID: GDADL
ACRONYM: GDADL

COMPANY: Computer Systems Design
STREET : 3627 Padua Avenue
CITY/STATE/ZIP: Claremont, CA 91711
REPRESENTATIVE: Thomas S. Radi, Ph.D.
TITLE: President
PHONE: (714) 625-6147

DESCRIPTION:
GLADL is a program design language based on the Ada language.

CATEGORY:
_ SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: VAX 11/780, Gould, HP Series 9000
OPERATING SYSTEM REQUIRED FOR OPERATION: VMS or UNIX
COMPUTER: _ MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
X PL/1
_ BASIC
X ASSEMBLER
X OTHER; SPECIFY: Ada

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 1 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 10 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ______ X PURCHASE PRICE: $7,500.00

REFERENCES: COMPANY: 1) General Dynamics 2) AAI
CONTACT: 1) Saro Ghazarian 2) Bill Fravel
TELEPHONE: 1) (714) 620-7511 2) (301) 628-3369

COMMENTS: None

NAME OF AID: RTFILE

ACRONYM:

COMPANY: Contel Information Systems
STREET : 4330 East West Highway
CITY/STATE/ZIP: Bethesda, MD 20814

REPRESENTATIVE: Judith C. Mangels
TITLE: Product Manager
PHONE: (301) 654-9120

DESCRIPTION:
RTFILE is an interactive relational data base management system.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
_ DOCUMENTATION
X OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC, IBM
OPERATING SYSTEM REQUIRED FOR OPERATION: RT-11, TSX+, RSX, RSTS, VMS, P/OS, PCDOS
COMPUTER: _ MAINFRAME X MINI X MICRO

RESOURCES REQUIRED:
64K INTERNAL STORAGE (BYTES)
1Mb EXTERNAL STORAGE (BYTES)
OTHER; SPECIFY:

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY:

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 5 YEARS
X DEMONSTRATIONS
_ PRIVATE DOMAIN
X IN USE BY 600 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE:
X PURCHASE PRICE: $500-5,000

REFERENCES: COMPANY:	1) Kwik Kall Communications	2) Monsanto
CONTACT:	1) Andrew Hawkins	2) Richard Bowman
TELEPHONE:	1) (301) 953-3311	2) (513) 865-3973

COMMENTS: See next page.

COMMENTS:

RTFILE provides users with both an easy-to-use menu-driven data base management product and a library of callable subroutines for advanced applications development by programmers. RTFILE's menu-driven features include an independent data dictionary, a screen generator, a report writer, a query manager, a sort manager, a calculation generator and a list processing option.

RTFILE's library of callable subroutines provides programmers with the ability to create advanced software applications in a very short period of time linking with the files and programs of RTFILE.

NAME OF AID: Automated Flowchart System
ACRONYM: TAMU

COMPANY: COSMIC
STREET : The University of Georgia
CITY/STATE/ZIP: Athens, GA 30602

REPRESENTATIVE: Ruthann Jones
TITLE: Public Relations
PHONE: (404) 542-3265

DESCRIPTION:
The TAMU FLOWCHART System was developed to flowchart any program written in the FORTRAN language.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370
OPERATING SYSTEM REQUIRED FOR OPERATION: OS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 380K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY:

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY:

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ___________ X PURCHASE PRICE: $3,450.00

REFERENCES: COMPANY: 1) Goddard Space Flight Ctr. 2)
CONTACT: 1) 2)
TELEPHONE: 1) 2)

COMMENTS: See next page.

COMMENTS:

TAMU generates a line printer flowchart which is representative of the program logic. This flowchart provides the user with a detailed representation of the program action taken as each program statement is executed. The TAMU FLOWCHART System can be a valuable aid to groups working with complex FORTRAN programs.

Each statement in the program is displayed within a symbol which represents the program action during processing of the enclosed statement. Symbols available include: subroutine, function, and entry statements; arithmetic statements; input and output statements; arithmetical and logical IF statements; subroutine calls with or without argument list returns; computed and assigned GO TO statements; DO statements; STOP and RETURN statements; and CONTINUE and ASSIGN statements. Comment cards within the source program may be suppressed or displayed and associated with a succeeding source statement. Each symbol is annotated with a label (if present in the source code), a block number, and the statement sequence number. Program flow and options within the program are represented by line segments and direction indicators connecting symbols. The TAMU FLOWCHART System should be able to accurately flowchart any working FORTRAN program.

NAME OF AID: Automatic Flowcharter for COBOL Programs
ACRONYM: FLOBOL

COMPANY: COSMIC
STREET : The University of Georgia
CITY/STATE/ZIP: Athens, GA 30602

REPRESENTATIVE: Ruthann Jones
TITLE: Public Relations
PHONE: (404) 542-3265

DESCRIPTION:
FLOBOL is an automatic flowcharter of COBOL source programs. In addition, FLOBOL optionally produces a comprehensive cross reference listing of COBOL programs.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: machine independent
OPERATING SYSTEM REQUIRED FOR OPERATION: ______
COMPUTER: _ MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 40K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ______ X PURCHASE PRICE: $825.00

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

The FLOBOL created flowchart is produced in the same sequence as the COBOL statements in the procedure division of the program being flowcharted. The flowchart provides a complete flow line throughout the program. The only input required by FLOBOL is the source code of the COBOL program to be flowcharted. Output from FLOBOL consists of three line printer files. The first file contains a listing of the COBOL program flowcharted along with the FLOBOL assigned reference numbers. The second file contains the optional cross reference listing of data names, procedure names, and reference line numbers. The third printer file contains the FLOBOL generated flowchart.

The FLOBOL program is written in COBOL (the 1968 ANSI Standard) for batch execution and has a central memory requirement of approximately 40K of 8 bit bytes. FLOBOL will flowchart any COBOL program written in the 1968 ANSI Standard COBOL and most vendor extensions. The FLOBOL program was developed in 1973.

NAME OF AID: Configuration Analysis Tool
ACRONYM: CAT

COMPANY: COSMIC
STREET : The University of Georgia
CITY/STATE/ZIP: Athens, GA 30602

REPRESENTATIVE: Ruthann Jones
TITLE: Public Relations
PHONE: (404) 542-3265

DESCRIPTION:
The Configuration Analysis Tool (CAT), developed for the NASA Goddard Space Flight Center Mission Support Computing and Analysis Division, is an information storage and report generation system for the aid of configuration management activities.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC PDP 11/70
OPERATING SYSTEM REQUIRED FOR OPERATION: RSX 11M
COMPUTER: _ MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: 26K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ________

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ________

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ________ X PURCHASE PRICE: $810.00

REFERENCES: COMPANY: 1) Goddard Space Flight Ctr. 2) ________
CONTACT: 1) ________ 2) ________
TELEPHONE: 1) ________ 2) ________

COMMENTS: See next page.

COMMENTS:

Configuration management is a discipline composed of many techniques selected to track and direct the evolution of complex systems. CAT is an interactive program designed to accept, organize, and store information pertinent to specific phases of a project. In particular, CAT is designed to work with information concerning the design, development, testing, and maintenance of project software. During a CAT interactive data input session, the user is prompted for information and provided with informative and diagnostic messages to ensure the ease and completeness of data entry. Various project history reports are generated by CAT in response to user queries.

The data needed by CAT for a specified project resides in a single project file. This file is a direct-access file in which a doubly linked list structure is used for data organization. CAT operates in an EDIT mode and a REPORT mode. In the EDIT mode, authorized users can add data to, change data in, or delete data from the CAT data base. In the REPORT mode, the user can request CAT to generate project history reports from the data currently in the data base. Seven types of reports may be generated. The discrepancy history report contains all reported errors and associated information for a project. The change history report contains all reported modifications and enhancements to correct or to improve the project programs. The documentation history report contains all the information concerning the disposition and status of documents generated within a project.

The test history report contains information concerning what has been tested and the test results. Task member assignments are contained in the resource history report. Current milestone information is included in the milestone history report. The data set status history report contains the status and location of the project data sets and associated information. With these reports the configuration analyst should be better able to track and direct the on-going progress of complex software projects.

The CAT system is written in FORTRAN IV PLUS and Assembler for interactive execution and has been implemented on a DEC PDP-11/70 computer under RSX-11M with a central memory requirement of approximately 26K of 16-bit words. CAT was developed in 1980.

NAME OF AID: DOMONIC ACRONYM: DOMONIC

COMPANY: COSMIC
STREET : The University of Georgia
CITY/STATE/ZIP: Athens, GA 30602

REPRESENTATIVE: Ruthann Jones
TITLE: Public Relations
PHONE: (404) 542-3265

DESCRIPTION:
The DOMONIC (DOcumentation, MONitor, and Control) system was developed as an automated tool for use in the life-cycle management of a software development project.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370
OPERATING SYSTEM REQUIRED FOR OPERATION: OS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 310K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____________

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: $5,200.00

REFERENCES: COMPANY:	1) Goddard Space Flight Ctr.	2)
CONTACT:	1)	2)
TELEPHONE:	1)	2)

COMMENTS: See next page.

COMMENTS:

This is a prototype system built to examine the feasibility of integrating many separately developed documentation and developmental aids into a single comprehensive system. As such, this package provides the means to develop a software system, produce timely up-to-date system documentation, and control and the development process. DOMONIC has a single central data base where all data generated during the development of a programming project is stored. Text, source code, graphics, job control streams, data definitions, and specifications for documentation are all manipulated by the same data management subsystem and the same editor subsystems. This feature ensures that all documentation is current and provides the project manager with the capability to continuously monitor all phases of the developmental effort. Security and monitoring capabilities are important aspects of the DOMONIC system. DOMONIC can help a programmer be more productive by supplying automated documentation aids and can help the manager be more effective by providing him with efficient tools for monitoring and controlling programming projects.

NAME OF AID: FORTRAN Programming Tools ACRONYM: FPT

COMPANY: COSMIC
STREET : The University of Georgia
CITY/STATE/ZIP: Athens, GA 30602

REPRESENTATIVE: Ruthann Jones
TITLE: Public Relations
PHONE: (404) 542-3265

DESCRIPTION:

FPT is a series of tools used to support the development and maintenance of FORTRAN 77 source codes.

CATEGORY:
☐ SIMULATION
☐ DESIGN
☒ CODE GENERATION
☒ TESTING
☐ MAINTENANCE
☐ DOCUMENTATION
☐ OPERATION
☐ PERFORMANCE MEASURE
☐ SUPPLEMENTAL SUPPORT
☐ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC VAX
OPERATING SYSTEM REQUIRED FOR OPERATION: VMS
COMPUTER: ☐ MAINFRAME ☒ MINI ☐ MICRO

RESOURCES REQUIRED: 20K INTERNAL STORAGE (BYTES)
EXTERNAL STORAGE (BYTES)
OTHER; SPECIFY:

LANGUAGE(S) OF AID:
☐ COBOL
☒ FORTRAN
☐ PL/1
☐ BASIC
☐ ASSEMBLER
☐ OTHER; SPECIFY:

DOCUMENTATION:
☒ TECHNICAL PAPER
☐ MAINTENANCE MANUAL
☐ SPECIFICATION (DEV/PLAN)
☒ USER MANUAL
☐ TEST/PLAN PROCEDURE
☐ FULL DOCUMENTATION

ACCESSIBILITY:
☐ PUBLIC DOMAIN
☐ IN USE FOR ___ YEARS
☐ DEMONSTRATIONS
☐ PRIVATE DOMAIN
☐ IN USE BY ____ FIRMS
☐ TRAINING

PRICE: ☐ MONTHLY LEASE: ☒ PURCHASE PRICE: $2,000.00

REFERENCES: COMPANY: 1) NASA Ames Research Ctr. 2)
CONTACT: 1) 2)
TELEPHONE: 1) 2)

COMMENTS: See next page.

COMMENTS:

Included in the FORTRAN Programming Tools package are a debugging aid, a CPU time monitoring program, source code maintenance aids, print utilities, and a library of useful, well-documented programs. These tools assist in reducing development time and encouraging high quality programming. Although intended primarily for FORTRAN programmers, some of the tools can be used on data files and other programming languages.

BUGOUT is a series of FPT programs that have proven very useful in debugging a particular kind of error and in optimizing CPU-intensive codes. The particular type of error is the illegal addressing of data or code as a result of subtle FORTRAN errors that are not caught by the compiler or at run time. A TRACE option also allows the programmer to verify the execution path of a program. The TIME option assists the programmer in identifying the CPU-intensive routines in a program to aid in optimization studies.

Program coding, maintenance, and print aids available in FPT include: routines for building standard format subprogram stubs; cleaning up common blocks and NAMELISTS; removing all characters after column 72; displaying two files side by side on a VT-100 terminal; creating a neat listing of FORTRAN source code including a Table of Contents, an Index, and Page Headings; converting files between VMS internal format and standard carriage control format; changing text strings in a file without using EDT; and replacing tab characters with spaces.

NAME OF AID: FORTRAN Static Source Code Analyzer
ACRONYM: SAP

COMPANY: COSMIC
STREET : The University of Georgia
CITY/STATE/ZIP: Athens, GA 30602

REPRESENTATIVE: Ruthann Jones
TITLE: Public Relations
PHONE: (404) 542-3265

DESCRIPTION:
The FORTRAN Static Source Code Analyzer program, SAP, was developed to automatically gather statistics on the occurrences of statements and structures within a FORTRAN program and to provide for the reporting of those statistics.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC PDP 11/70, DEC VAX
OPERATING SYSTEM REQUIRED FOR OPERATION: RSX 11M, VMS
COMPUTER: _ MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: 26K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____________

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: $1,375.00

REFERENCES: COMPANY: 1) Goddard Space Flight Ctr. 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

Provisions have been made for weighting each statistic and for providing an overall figure of complexity. Statistics, as well as figures of complexity, are gathered on a module by module basis. Overall summed statistics are also accumulated for the complete input source file. SAP accepts as input syntactically correct FORTRAN source code written in the FORTRAN 77 standard language. In addition, code written using features in the following languages is also accepted: PDP-11 FORTRAN IV or FORTRAN IV-PLUS; VAX-11 FORTRAN IBM S/360 IV Level H Extended; and Structured FORTRAN. The SAP program utilizes two external files in its analysis procedure. A keyword file allows flexibility in classifying statements and in marking a statement as either executable or non-executable. A statistical weight file allows the user to assign weights to all output statistics, thus allowing the user flexibility in defining the figure of complexity.

NAME OF AID: Software Cost Estimation Model
ACRONYM: SOFTCOST

COMPANY: COSMIC
STREET : The University of Georgia
CITY/STATE/ZIP: Athens, GA 30602

REPRESENTATIVE: Ruthann Jones
TITLE: Public Relations
PHONE: (404) 542-3265

DESCRIPTION:
SOFTCOST is a set of algorithms used to determine the cost of software development.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: Z80
OPERATING SYSTEM REQUIRED FOR OPERATION: CP/M
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: 64K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
X BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____________

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
_ IN USE BY ___ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: $300.00

REFERENCES: COMPANY: 1) NASA/JPL 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

SOFTCOST is basically a combination of several software cost models found in the open literature into one comprehensive set of algorithms that compensate for nearly fifty implementation factors relative to size of the task, inherited baseline, organizational and system environment, and difficulty of the task.

SOFTCOST produces mean and variance estimates of software size, implementation productivity, recommended staff level, probable duration, amount and cost of software documentation. Since the confidence level for a project using mean estimates is small, the user is given the opportunity to enter risk-biased values for effort, duration, and staffing, to achieve higher confidence levels. SOFTCOST then produces a PERT/CPM file with subtask efforts, durations, and precedences defined so as to produce the Work Breakdown Structure and schedule having the asked-for overall effort and duration.

NAME OF AID: Software Design and Documentation Language

ACRONYM: SDDL

COMPANY: COSMIC
STREET : The University of Georgia
CITY/STATE/ZIP: Athens, GA 30602

REPRESENTATIVE: Ruthann Jones
TITLE: Public Relations
PHONE: (404) 542-3265

DESCRIPTION:
SDDL offers an enhancement to aids in the design and documentation of complex programming efforts ranging from scientific and engineering applications to data management and business.

CATEGORY:
_ SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC VAX, IBM 370, Z80, Univac 1100
OPERATING SYSTEM REQUIRED FOR OPERATION: VMS, OS, CP/M, EXEC 8
COMPUTER: X MAINFRAME X MINI X MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: Pascal

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: __________ X PURCHASE PRICE: see comments

REFERENCES: COMPANY: 1) NASA/JPL 2) __________
CONTACT: 1) __________ 2) __________
TELEPHONE: 1) __________ 2) __________

COMMENTS: See next page.

COMMENTS:

PURCHASE PRICE: $855 - DEC VAX and IBM 370; $370 - Z80; $405 - Univac 1100

SDDL is a combination of language, processor, and methodology. The SDDL syntax consists of keywords to invoke design structures and a collection of directives which control processor actions. The designer has control over the choice of keywords, commanding the capabilities of the processor in a way which is best suited to communicating the intent of the design. Document formatting includes graphical highlighting of structure logic, accentuation of structure escapes and module invocations, logic error detection, and special handling of title pages and text segments. The SDDL-generated document contains software design summary information including module invocation hierarchy, module cross-reference, and cross-reference tables of user selected words or phrases appearing in the document. The basic forms of methodology are module and block structures and the module invocation statement. A design is stated in terms of modules that represent problem abstractions which are complete and independent enough to be treated as separate problem entities. Blocks are lower-level structures used to build the modules. Both kinds of structures may have an initiator part, a terminator part, an escape segment, or a substructure.

NAME OF AID: Transportable Applications Executive
ACRONYM: TAE

COMPANY: COSMIC
STREET : The University of Georgia
CITY/STATE/ZIP: Athens, GA 30602

REPRESENTATIVE: Ruthann Jones
TITLE: Public Relations
PHONE: (404) 542-3265

DESCRIPTION:
The Transportable Applications Executive (TAE) is a collection of "executive" programs which interact with a user to manage the execution of applications programs.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
X OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC VAX
OPERATING SYSTEM REQUIRED FOR OPERATION: VMS, UNIX
COMPUTER: _ MAINFRAME X MINI X MICRO

RESOURCES REQUIRED: 400K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______________________________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: C

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: X MONTHLY LEASE: see comments _ PURCHASE PRICE: __________

REFERENCES: COMPANY: 1) Goddard Space Flight Ctr. 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

The TAE is available with a 10-year lease for $2,000.00.

A main purpose of TAE is to standardize the user interface to applications programs. All applications programs running under TAE have a consistent human interface. Also with TAE, the user is shielded from the host operating system. The user of an applications program running under TAE does not need to know the command language of the host computer; TAE manages the entire interactive session. Another primary purpose of TAE is to provide the applications program user with a user-friendly environment. TAE is designed to be utilized by both the first-time user and the experienced user. TAE can provide extensive assistance to the user at any stage of an interactive session.

TAE permits the user to operate in three different modes. In the menu mode, the user proceeds through a session by selection from a list of options. Each entry in a menu refers to an application function or to another menu. In the command mode, the user can communicate with TAE via a simple command language. In the tutor mode, the user can establish and review sets of parameters to be supplied to an applications program. An extensive "HELP" facility is available in each mode. Also, the user is free to switch between modes as desired. Because the implementation of an application function is independent of the TAE mode, every application is available from each of the modes.

Special features are provided to assist the applications programmer in interfacing with TAE. A major aspect of the TAE/applications program interface is the "proc" entity which can be executed to perform a function. A proc is either a process or a procedure. A process is a program for which executable code exists. A procedure is a "command procedure" written in the TAE command language. Proc management capabilities are available to the applications programmer. A library of TAE utility subroutines is available to standardize access to primitive host functions and to enhance the portability of the calling program. The programmer is also assisted in the development of help text files and menus.

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NAME OF AID: Assembler to Assembler Translator
ACRONYM: ATA

COMPANY: Dataware, Inc.
STREET : 3095 Union Road
CITY/STATE/ZIP: Orchard Park, NY 14127
REPRESENTATIVE: Chester Czekaj
TITLE: President
PHONE: (716) 674-9310

DESCRIPTION:
This software converts programs written in IBM DOS Assembler to IBM OS Assembler language.

CONVERSION TOOL:
X TRANSLATOR
_ CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: IBM
TARGET HARDWARE: IBM
SOURCE SOFTWARE: DOS Assembler
TARGET SOFTWARE: OS Assembler

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: OS/DOS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 256K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID: X COBOL _ FORTRAN _ PL/1 _ BASIC _ ASSEMBLER _ OTHER; SPECIFY: ________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
X TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: upon request _ PURCHASE PRICE: ________

REFERENCES: COMPANY: 1) ____________ 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

Dataware's Assembler Convertor is a table-driven conversion system designed to convert Assembler programs from one version of Assembler to another. Being tailored for each type of Assembler, the package provides a very high percent of automatic syntax conversion, thus allowing for more effective utilization of conversion personnel.

The convertor uses a table processor which compiles and executes interpreter tables, and interpreter tables which define the syntax modifications required to effect the conversion.

The syntax interpreter tables are designed around a pseudo-language which can capture specific syntax differences, convert data representation differences (translation of character sets if required by target hardware), and capture specific sequences of code.

The convertor provides a conversion listing of the entire Assembler program illustrating the syntax changes made and indicating problem areas with self-explanatory diagnostics. It can accommodate multiple source programs in one run.

NAME OF AID: Autocoder to COBOL Translator
ACRONYM: ATC

COMPANY: Dataware, Inc.
STREET : 3095 Union Road
CITY/STATE/ZIP: Orchard Park, NY 14127

REPRESENTATIVE: Chester Czekaj
TITLE: President
PHONE: (716) 674-9310

DESCRIPTION:
This software converts programs written in Autocoder or SPS to COBOL.

CONVERSION TOOL:
X TRANSLATOR
_ CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: ____
TARGET HARDWARE: ____
SOURCE SOFTWARE: Autocoder
TARGET SOFTWARE: COBOL

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: OS, DOS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
256K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
X TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 15 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: upon request _ PURCHASE PRICE: ____

REFERENCES:
COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

This conversion system has been designed to convert source Autocoder or SPS programs to COBOL. The package will accept 1401, 1410 and 7010 Autocoder or 1401 SPS and produce structured COBOL code (IBM DOS, OS, "D", H74, Univac ASCII). Mixed Autocoder and SPS programs are also handled. The user has the option of defining the type of Autocoder and the type of COBOL to be generated through the use of codes with input control parameters. The conversion system uses a simulation technique to scan and interpret logic sets in the Autocoder program. It examines the entire source program before generating the output COBOL source thus allowing for a higher percentage of conversion. During the analysis of the original source programs, the translator resolves chaining of instructions, common instruction sequences and relative addressing. User macros are handled, given the proper expansion code, in a special "preprocessor" phase which resolves them to a standard level.

NAME OF AID: BAL/ALC to COBOL Translator   ACRONYM: BTC

COMPANY: Dataware, Inc.   REPRESENTATIVE: Chester Czekaj
STREET : 3095 Union Road   TITLE: President
CITY/STATE/ZIP: Orchard Park, NY 14127   PHONE: (716) 674-9310

DESCRIPTION:
This software converts programs written in assembly level language to COBOL.

CONVERSION TOOL: X TRANSLATOR
_ CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: ____
TARGET HARDWARE: ____
SOURCE SOFTWARE: BAL/ALC
TARGET SOFTWARE: COBOL

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: OS, DOS
COMPUTER: X MAINFRAME   _ MINI   _ MICRO

RESOURCES REQUIRED: 256K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID: X COBOL   _ PL/1   _ ASSEMBLER
_ FORTRAN   _ BASIC   _ OTHER; SPECIFY: ____

DOCUMENTATION: _ TECHNICAL PAPER   X USER MANUAL
_ MAINTENANCE MANUAL   X TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN)   _ FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN   X PRIVATE DOMAIN
X IN USE FOR 14 YEARS   _ IN USE BY ____ FIRMS
X DEMONSTRATIONS   X TRAINING

PRICE: X MONTHLY LEASE: upon request   _ PURCHASE PRICE: ____

REFERENCES: COMPANY: 1) ____   2) ____
CONTACT: 1) ____   2) ____
TELEPHONE: 1) ____   2) ____

COMMENTS: See next page.

COMMENTS:

An IBM Assembler language to COBOL conversion system has been developed to aid those who need to convert to a higher level language. The translator handles both 360/370 (DOS or OS) and MOD 20 BAL ASSEMBLY Code. All instructions that can be supported by COBOL including standard DOS and OS Macros are converted. The system accepts source code as input and performs a simulation analysis of the entire program before generating an equivalent COBOL statement. Programming techniques involving address modification, subscripting and base register usage are generally handled thus allowing for a very high conversion rate to be achieved. The major features are: 1) the use of original data and procedural names, when present, in the generation of the COBOL statement; 2) optimal COBOL code which incorporates logic techniques in the original source program; 3) a side-by-side listing of the original source and the generated COBOL statements; 4) "Conversion Aid" notations, pointing out problem areas which may affect final implementation and assisting the programmer in completing an accurate conversion; 5) a cross-reference Listing of data and procedural names in the generated COBOL coding specifying line number and the type of usage.

NAME OF AID: COBOL to COBOL Translator ACRONYM: CTC

COMPANY: Dataware, Inc. REPRESENTATIVE: Chester Czekaj
STREET : 3095 Union Road TITLE: President
CITY/STATE/ZIP: Orchard Park, NY 14127 PHONE: (716) 674-9310

DESCRIPTION:
This software converts programs written in DOS COBOL to OS COBOL.

CONVERSION TOOL: X TRANSLATOR
_ CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: ______
TARGET HARDWARE: ______
SOURCE SOFTWARE: DOS COBOL
TARGET SOFTWARE: OS COBOL

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: OS or DOS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 256K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID: X COBOL _ PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ______

DOCUMENTATION: _ TECHNICAL PAPER X USER MANUAL
_ MAINTENANCE MANUAL X TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) _ FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN X PRIVATE DOMAIN
X IN USE FOR 5 YEARS _ IN USE BY ____ FIRMS
X DEMONSTRATIONS X TRAINING

PRICE: X MONTHLY LEASE: upon request _ PURCHASE PRICE: ______

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

The COBOL syntax conversion system is designed to aid in the transition of programs from one operating system to another. The convertor reformats routine syntax of COBOL programs and provides more effective utilization of conversion personnel. The system is designed to provide a high percentage of conversion, 98-100% of the original program syntax. Being table driven, the package can be customized to specific in-house standards. A conversion worksheet is generated and includes self-explanatory diagnostic aid messages to aid the programmer in problem determination prior to implementation of the converted program. Character set conversion features are also available depending on the type of COBOL-to-COBOL being performed. Different vendors already addressed by the translator include Burroughs, CDC, DEC, Honeywell, IBM, NCR and Univac.

NAME OF AID: Easycoder/Easytran to COBOL Translator
ACRONYM: ETC

COMPANY: Dataware, Inc.
STREET : 3095 Union Road
CITY/STATE/ZIP: Orchard Park, NY 14127
REPRESENTATIVE: Chester Czekaj
TITLE: President
PHONE: (716) 674-9310

DESCRIPTION:
This software converts programs written in Honeywell Easycoder/Easytran to COBOL.

CONVERSION TOOL: X TRANSLATOR
_ CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: Honeywell
TARGET HARDWARE: IBM
SOURCE SOFTWARE: Easycoder/Easytran
TARGET SOFTWARE: COBOL

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: OS or DOS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 256K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: __________

LANGUAGE(S) OF AID: X COBOL _ PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: __________

DOCUMENTATION: _ TECHNICAL PAPER X USER MANUAL
_ MAINTENANCE MANUAL X TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) _ FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN X PRIVATE DOMAIN
X IN USE FOR 12 YEARS _ IN USE BY ____ FIRMS
X DEMONSTRATIONS X TRAINING

PRICE: X MONTHLY LEASE: upon request _ PURCHASE PRICE: __________

REFERENCES: COMPANY: 1) __________ 2) __________
CONTACT: 1) __________ 2) __________
TELEPHONE: 1) __________ 2) __________

COMMENTS: See next page.

COMMENTS:

The product was developed to address the need to convert from HONEYWELL Series 200 ASSEMBLY. This system accepts Easycoder MOD 1 (C & D) and Easytran MOD 1 (C & D) source and generates COBOL statements. The user indicates, via control parameters, the type of source input and defines the type of COBOL (DOS or OS). The system is equipped with a Macro Pre-Processor which can handle in-house user macros unique to every operation. The convertor can also bypass sections of source input code. This feature is realized in cases such as TipTop IOCS Routine and Easytran Subroutine coding which are not automatically convertible. Overall, the transition system is capable of obtaining 90%+ source conversion to COBOL.

NAME OF AID: Filecomp
ACRONYM: ________

COMPANY: Dataware, Inc.
STREET : 3095 Union Road
CITY/STATE/ZIP: Orchard Park, NY 14127

REPRESENTATIVE: Chester Czekaj
TITLE: President
PHONE: (716) 674-9310

DESCRIPTION:
Filecomp is a multi-purpose file compare program designed to be used in nearly every instance where 2 files must be compared.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: OS, DOS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 256K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 5+ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: X MONTHLY LEASE: upon request _ PURCHASE PRICE: ________

REFERENCES: COMPANY: 1) ________ 2) ________
CONTACT: 1) ________ 2) ________
TELEPHONE: 1) ________ 2) ________

COMMENTS: See next page.

COMMENTS:

Written in IBM Assembler and utilizing a wide range of optional parameters, FILECOMP is an alternative to simple file compare programs previously used.

Report options allow printing in both character and hexadecimal format as well as full or partial record printing.

Arithmetic sign parameters allow for positive sign differences in display or packed decimal fields.

Field options allow for the specification of key fields for file alignment after missing or extra records. The user may also specify fields to be omitted from the compare operation.

Other options provide variable error record limits, the comparing of spaces equal to zeros and the specification of file types and record size.

NAME OF AID: FORTRAN to FORTRAN Translator
ACRONYM: FTF

COMPANY: Dataware, Inc.
STREET : 3095 Union Road
CITY/STATE/ZIP: Orchard Park, NY 14127

REPRESENTATIVE: Chester Czekaj
TITLE: President
PHONE: (716) 674-9310

DESCRIPTION:
This software converts programs written in FORTRAN on one vendor's equipment to FORTRAN for another vendor's equipment.

CONVERSION TOOL:
X TRANSLATOR
_ CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: ____________
TARGET HARDWARE: IBM
SOURCE SOFTWARE: FORTRAN
TARGET SOFTWARE: FORTRAN

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: OS, DOS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
256K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
X TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 5 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: upon request _ PURCHASE PRICE: ____________

REFERENCES:
COMPANY: 1) ____________ 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

The FORTRAN language conversion routine is a high level, multiple pass, syntax translator designed to provide a standardized approach to the conversion task through automation of repetitive changes. The major components of the translator include: FORTRAN statement scanner, pre-compiled interpreter logic tables, interpretive analysis executive, and FORTRAN statement formatter. Multiple programs/subroutines may also be "batched" as a single input stream if pre-defined in the conversion specifications. The output from the translator includes a listing of the original FORTRAN source, along with the converted FORTRAN source program in 80-column card image. A worksheet listing is also generated, which highlights statements that have been converted, deleted, or inserted, as well as output diagnostic aid messages.

NAME OF AID: PL/1 to COBOL Translator ACRONYM: PTC

COMPANY: Dataware, Inc. REPRESENTATIVE: Chester Czekaj
STREET : 3095 Union Road TITLE: President
CITY/STATE/ZIP: Orchard Park, NY 14127 PHONE: (716) 674-9310

DESCRIPTION:
This software converts programs written in OS or DOS PL/1 to DOS or OS COBOL.

CONVERSION TOOL: X TRANSLATOR
_ CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: ____
TARGET HARDWARE: ____
SOURCE SOFTWARE: OS/DOS PL/1
TARGET SOFTWARE: OS COBOL

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: OS, DOS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 256K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID: X COBOL _ PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ____

DOCUMENTATION: _ TECHNICAL PAPER X USER MANUAL
_ MAINTENANCE MANUAL X TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) _ FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN X PRIVATE DOMAIN
X IN USE FOR 13 YEARS _ IN USE BY ____ FIRMS
X DEMONSTRATIONS X TRAINING

PRICE: X MONTHLY LEASE: upon request _ PURCHASE PRICE: ____

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

Developed as an aid in converting from IBM PL/1 to COBOL, this package is capable of handling IBM OS or DOS (48 or 60 character set) source programs as input. Additional options such as type of COBOL (DOS or OS) are also available with the package. The system is oriented to handling batch type programs versus the teleprocessing/scientific programs which, in some cases, have functions not supported by COBOL. The entire PL/1 program is analyzed during a simulation phase before generating the output COBOL source. This feature allows for a higher conversion percentage (90%+). Because the package is table-controlled, it can be "tuned" to even higher accuracies of PL/1 conversions. A cross-reference listing of the original PL/1 statements aligned with the resulting COBOL statements and diagnostic aid messages is produced to assist in any post editing of the converted program.

NAME OF AID: RPG to COBOL Translator ACRONYM: RTC

COMPANY: Dataware, Inc. REPRESENTATIVE: Chester Czekaj
STREET : 3095 Union Road TITLE: President
CITY/STATE/ZIP: Orchard Park, NY 14127 PHONE: (716) 674-9310

DESCRIPTION:
The software converts programs written in RPG or RPG II to DOS or OS COBOL.

CONVERSION TOOL:
☒ TRANSLATOR
☐ CONVERSION AID
☐ EMULATOR
☐ SIMULATOR

SOURCE HARDWARE: ____________________
TARGET HARDWARE: ____________________
SOURCE SOFTWARE: RPG
TARGET SOFTWARE: COBOL

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: OS, DOS
COMPUTER: ☒ MAINFRAME ☐ MINI ☐ MICRO

RESOURCES REQUIRED: 256K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________________

LANGUAGE(S) OF AID:
☒ COBOL
☐ FORTRAN
☐ PL/1
☐ BASIC
☐ ASSEMBLER
☐ OTHER; SPECIFY: __________

DOCUMENTATION:
☐ TECHNICAL PAPER
☐ MAINTENANCE MANUAL
☐ SPECIFICATION (DEV/PLAN)
☒ USER MANUAL
☒ TEST/PLAN PROCEDURE
☐ FULL DOCUMENTATION

ACCESSIBILITY:
☐ PUBLIC DOMAIN
☒ IN USE FOR 12 YEARS
☒ DEMONSTRATIONS
☒ PRIVATE DOMAIN
☐ IN USE BY ____ FIRMS
☒ TRAINING

PRICE: ☒ MONTHLY LEASE: upon request ☐ PURCHASE PRICE: __________

REFERENCES: COMPANY: 1) ____________________ 2) ____________________
CONTACT: 1) ____________________ 2) ____________________
TELEPHONE: 1) ____________________ 2) ____________________

COMMENTS: See next page.

COMMENTS:

This is designed for those RPG users who need to convert to the industry standard COBOL. The package accepts System/3 RPG II, Mod 20 DOS RPG, the 360/370 DOS RPG and U9000 RPG, and can produce either DOS or OS COBOL. Inherent functions such as match record logic, chaining, subscripting, as well as table handling, are converted by the system. By maintaining the basic RPG loop in COBOL, a standard formatted program frame is built upon as the different RPG features are utilized in the original program. This feature allows the package to effect a conversion percentage approaching 100%. After an initial analysis of the entire RPG program, conversion aid messages are generated to assist the programmer prior to the COBOL generation phase. A cross-reference worksheet of the original RPG statements aligned with the resulting COBOL is produced to assist in any post editing of the converted program. Comments in the original RPG are also transformed to the COBOL program to retain as much similarity as possible. Procedural and data definition names are likewise utilized wherever applicable.

NAME OF AID: RPG to PL/1 Translator ACRONYM: RTP

COMPANY: Dataware, Inc. REPRESENTATIVE: Chester Czekaj
STREET : 3095 Union Road TITLE: President
CITY/STATE/ZIP: Orchard Park, NY 14127 PHONE: (716) 674-9310

DESCRIPTION:
The software converts programs written in RPG or RPG II to PL/1.

CONVERSION TOOL: X TRANSLATOR
_ CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: ____
TARGET HARDWARE: ____
SOURCE SOFTWARE: RPG
TARGET SOFTWARE: PL/1

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: OS,DOS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 256K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID: X COBOL _ PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ____

DOCUMENTATION: _ TECHNICAL PAPER X USER MANUAL
_ MAINTENANCE MANUAL X TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) _ FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN X PRIVATE DOMAIN
X IN USE FOR 9 YEARS _ IN USE BY ____ FIRMS
X DEMONSTRATIONS X TRAINING

PRICE: X MONTHLY LEASE: upon request _ PURCHASE PRICE: ____

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

This software translator will convert from S/3 RPG II, Mod 20 DOS RPG, and 360/370 RPG or RPG II to either DOS or OS/PL/1. The basic RPG loop is maintained in the output PL/1 program thus providing the same standardized logic format for all converted programs. The translator generates internal procedures for only those functions used by the original program. Functions such as match record logic, chaining, table and array handling, compile time tables, level control, force function, demand file, and record address files processed within limits are all converted. The original RPG names and comments are carried forward into the generated PL/1 program. A conversion listing of the original RPG statements aligned with the corresponding PL/1 is produced as a conversion audit.

NAME OF AID: The Text Compairator
ACRONYM: ___

COMPANY: Dataware, Inc.
STREET : 3095 Union Road
CITY/STATE/ZIP: Orchard Park, NY 14127

REPRESENTATIVE: Chester Czekaj
TITLE: President
PHONE: (716) 674-9310

DESCRIPTION:
The Text Compairator is a file compare utility designed to compare two versions of a program and report the differences.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: OS/VS1 or MVS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 100K INTERNAL STORAGE (BYTES)
___ EXTERNAL STORAGE (BYTES)
___ OTHER; SPECIFY: ___

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ___

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 4 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ___ FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: upon request _ PURCHASE PRICE: ___

REFERENCES: COMPANY: 1) ___ 2) ___
CONTACT: 1) ___ 2) ___
TELEPHONE: 1) ___ 2) ___

COMMENTS: See next page.

COMMENTS:

The Text Compairator can be used by managers, programmers, auditors and data security officers to compare two versions of card-image data (source or object programs, JCL, etc.) or an entire PDS or IBM IEBCOPY backup and report on the differences. The report shows all changes with the unchanged card-images. It has features which enable a user to keep an automated audit trail of all changes made to source programs. This is especially useful for tracking in-house changes made to purchased software. It will accept the audit trail as input and reconstruct the original old version of the card-image library after it has been deleted. It can display or compare load module libraries and produce a report showing linkage editor data including date of last linkage editor processing for the load module and individual CSECT information such as name, length, SUPERZAP history, compile data and IDR information. It will assist in maintaining audit trails for authorized changes and in detecting unauthorized changes to program source, JCL, load libraries, etc.

NAME OF AID: Catalog Performance Optimizer
ACRONYM: CPO

COMPANY: Duquesne Systems, Inc.
STREET : Two Allegheny Center
CITY/STATE/ZIP: Pittsburgh, PA 15212
REPRESENTATIVE: H. John Butler
TITLE: Manager, Product Marketing
PHONE: (412) 323-2600

DESCRIPTION:
CPO significantly improves throughput and response time in MVS and MVS/XA systems by automatically reducing master catalog searches.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 30XX, 43XX; Plug Comp.
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS/XA, MVS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 8K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: _____

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: _____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 1.5 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 200 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: _____ X PURCHASE PRICE: $8,000.00

REFERENCES:
COMPANY: 1) 1st Nat'l Bank of Boston 2) Olin Corporation
CONTACT: 1) Elizabeth MacDonald 2) Don Cossette
TELEPHONE: 1) (617) 929-6265 2) (203) 356-2171

COMMENTS: None

NAME OF AID: JOBLOG Management and Retrieval
ACRONYM: JMR

COMPANY: Duquesne Systems, Inc.
STREET : Two Allegheny Center
CITY/STATE/ZIP: Pittsburgh, PA 15212
REPRESENTATIVE: H. John Butler
TITLE: Manager, Product Marketing
PHONE: (412) 323-2600

DESCRIPTION:
JMR provides access to additional detailed data over and above SYSLOG information. This data is helpful in researching job history and analyzing job problems.

CATEGORY:
☐ SIMULATION
☐ DESIGN
☐ CODE GENERATION
☐ TESTING
☐ MAINTENANCE
☐ DOCUMENTATION
☒ OPERATION
☐ PERFORMANCE MEASURE
☒ SUPPLEMENTAL SUPPORT
☐ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS, MVS/XA
COMPUTER: ☒ MAINFRAME ☐ MINI ☐ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: _____

LANGUAGE(S) OF AID:
☐ COBOL
☐ FORTRAN
☐ PL/1
☐ BASIC
☒ ASSEMBLER
☐ OTHER; SPECIFY: _____

DOCUMENTATION:
☐ TECHNICAL PAPER
☐ MAINTENANCE MANUAL
☐ SPECIFICATION (DEV/PLAN)
☒ USER MANUAL
☐ TEST/PLAN PROCEDURE
☐ FULL DOCUMENTATION

ACCESSIBILITY:
☐ PUBLIC DOMAIN
☒ IN USE FOR 1 YEARS
☐ DEMONSTRATIONS
☒ PRIVATE DOMAIN
☒ IN USE BY 25 FIRMS
☐ TRAINING

PRICE:
☐ MONTHLY LEASE: _____
☒ PURCHASE PRICE: $9,000.00

REFERENCES:
COMPANY: 1) Dome Petroleum Ltd. 2) BC Telephone Company
CONTACT: 1) Lloyd Freiday 2) Ed O'Kano
TELEPHONE: 1) (403) 234-2140 2) (604) 879-8510

COMMENTS: None

NAME OF AID: Performance Database Facility
ACRONYM: PDBF

COMPANY: Duquesne Systems, Inc.
STREET : Two Allegheny Center
CITY/STATE/ZIP: Pittsburgh, PA 15212
REPRESENTATIVE: H. John Butler
TITLE: Manager, Product Marketing
PHONE: (800) 323-2600

DESCRIPTION:
PDBF improves total datacenter performance by using multiple data sources to monitor and report on hardware and software utilization.

CATEGORY:
☐ SIMULATION
☐ DESIGN
☐ CODE GENERATION
☐ TESTING
☐ MAINTENANCE
☐ DOCUMENTATION
☐ OPERATION
☒ PERFORMANCE MEASURE
☐ SUPPLEMENTAL SUPPORT
☐ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 30XX, 43XX, Plug Comp.
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS, MVS/XA
COMPUTER: ☒ MAINFRAME ☐ MINI ☐ MICRO

RESOURCES REQUIRED:
1Mb INTERNAL STORAGE (BYTES)
30Mb EXTERNAL STORAGE (BYTES)
OTHER; SPECIFY:

LANGUAGE(S) OF AID:
☐ COBOL
☐ FORTRAN
☐ PL/1
☐ BASIC
☒ ASSEMBLER
☒ OTHER; SPECIFY: SAS

DOCUMENTATION:
☐ TECHNICAL PAPER
☐ MAINTENANCE MANUAL
☐ SPECIFICATION (DEV/PLAN)
☒ USER MANUAL
☐ TEST/PLAN PROCEDURE
☐ FULL DOCUMENTATION

ACCESSIBILITY:
☐ PUBLIC DOMAIN
☒ IN USE FOR 2 YEARS
☐ DEMONSTRATIONS
☒ PRIVATE DOMAIN
☒ IN USE BY 30 FIRMS
☐ TRAINING

PRICE: ☐ MONTHLY LEASE: ☒ PURCHASE PRICE: $12,000.00

REFERENCES: COMPANY: 1) McDonnell Douglas 2) Goodyear Tire & Rubber
CONTACT: 1) Donald Johnston, Jr. 2) Randy Williams
TELEPHONE: 1) (415) 498-2500 2) (216) 796-3218

COMMENTS: None

NAME OF AID: QCM Performance Monitor ACRONYM: ____

COMPANY: Duquesne Systems, Inc. REPRESENTATIVE: H. John Butler
STREET : Two Allegheny Center TITLE: Manager, Product Manager
CITY/STATE/ZIP: Pittsburgh, PA 15212 PHONE: (800) 323-2600

DESCRIPTION:
This product is an enhancement to SMF/RMF or other performance monitoring tools.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS/XA, MVS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID: _ COBOL _ PL/1 X ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ____

DOCUMENTATION: _ TECHNICAL PAPER X USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) _ FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN X PRIVATE DOMAIN
X IN USE FOR 15 YEARS X IN USE BY 100 FIRMS
_ DEMONSTRATIONS _ TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: $14,000.00

REFERENCES: COMPANY: 1) Federal Reserve Atlanta 2) ALCOA
CONTACT: 1) Bill Cooke 2) Roger Webster
TELEPHONE: 1) (404) 521-8605 2) (412) 553-2468

COMMENTS: None

NAME OF AID: SYSLOG Management and Retrieval
ACRONYM: SMR

COMPANY: Duquesne Systems, Inc.
STREET : Two Allegheny Center
CITY/STATE/ZIP: Pittsburgh, PA 15212

REPRESENTATIVE: H. John Butler
TITLE: Manager, Product Marketing
PHONE: (412) 323-2600

DESCRIPTION:
SMR provides prompting screens that help with retrieval of SYSLOG information.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
_ MAINTENANCE
_ DOCUMENTATION
X OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS, MVS/XA
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ____________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 9 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 25 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: $6,000.00

REFERENCES: COMPANY: 1) Dome Petroleum Ltd. 2) BC Telephone Company
CONTACT: 1) Lloyd Freiday 2) Ed O'Kano
TELEPHONE: 1) (403) 234-2140 2) (604) 879-8510

COMMENTS: See next page.

COMMENTS:

Purchase price is for the first site only.

NAME OF AID: Systems Performance Interrogator

ACRONYM: SPI

COMPANY: Duquesne Systems, Inc.
STREET : Two Allegheny Center
CITY/STATE/ZIP: Pittsburgh, PA 15212

REPRESENTATIVE: H. John Butler
TITLE: Manager, Product Marketing
PHONE: (800) 323-2600

DESCRIPTION:
SPI monitors and tunes a system(s) by displaying online unique hardware and software measurements and MVS control block data.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS, MVS/XA
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: __________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 100 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: __________ X PURCHASE PRICE: $8,000.00

REFERENCES: COMPANY: 1) Fisher Scientific 2) Federal Reserve Atlanta
CONTACT: 1) Dale Rodgers 2) Bill Cooke
TELEPHONE: 1) (412) 562-8300 2) (404) 521-8605

COMMENTS: None

NAME OF AID: DYL-260 ACRONYM: ____

COMPANY: DYLAKOR, Inc. REPRESENTATIVE: Carolyn Cook
STREET : P.O.B. 3010, 17418 Chatsworth TITLE: Vice Pres., Marketing & Sales
CITY/STATE/ZIP: Granada Hills, CA 91344 PHONE: (818) 366-1781

DESCRIPTION:
DYL-260 is a system development tool for programmers involved in system design, coding, testing and implementation. It can be used for prototype reports, report programs, test file generation, file printing and compares.

CATEGORY:
_ SIMULATION
X DESIGN
X CODE GENERATION
X TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM and plug compatible
OPERATING SYSTEM REQUIRED FOR OPERATION: OS, DOS, SSX, CMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 80K INTERNAL STORAGE (BYTES)
1Mb EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID: _ COBOL _ PL/1 X ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 1500 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: see comments X PURCHASE PRICE: $11,000.00

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

Training includes an audio cassette course.

Yearly leases are available upon request.

The purchase price is an $11,000.00 one-time fee, plus maintenance. Maintenance is 10% of purchase price per year, after the first year.

NAME OF AID: DYL-270
ACRONYM: ______

COMPANY: DYLAKOR, Inc.
STREET : P.O.B. 3010, 17418 Chatsworth
CITY/STATE/ZIP: Granada Hills, CA 91344

REPRESENTATIVE: Carolyn Cook
TITLE: Vice Pres., Marketing & Sales
PHONE: (818) 366-1781

DESCRIPTION:
DYL-270 is a utility program whose primary function is copying data from one storage device to another: tape-to-disk, disk-to-print, and tape-to-tape.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM and plug compatible
OPERATING SYSTEM REQUIRED FOR OPERATION: OS, DOS, SSX, CMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
80K INTERNAL STORAGE (BYTES)
1Mb EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 4 FIRMS
_ TRAINING

PRICE: X MONTHLY LEASE: see comments X PURCHASE PRICE: $7,900.00

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

DYL-270 is also useful in maintenance tasks, debugging and testing. Functions include: select, pack, edit, extract, and reformat.

Yearly leases are available upon request.

Purchase price is a $7,900.00 one-time fee plus a maintenance fee. The maintenance fee is 10% of purchase price per year, after the first year.

NAME OF AID: DYL-280
ACRONYM:

COMPANY: DYLAKOR, Inc.
STREET : P.O.B. 3010, 17418 Chatsworth
CITY/STATE/ZIP: Granada Hills, CA 91344
REPRESENTATIVE: Carolyn Cook
TITLE: Vice Pres., Marketing & Sales
PHONE: (818) 366-1781

DESCRIPTION:
DYL-280 is a file and information management system that handles ad hoc reporting, daily maintenance tasks, and information handling needs.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM and plug compatible
OPERATING SYSTEM REQUIRED FOR OPERATION: OS, DOS, SSX, CMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
200K INTERNAL STORAGE (BYTES)
1Mb EXTERNAL STORAGE (BYTES)
OTHER; SPECIFY:

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY:

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 1438 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: see comments X PURCHASE PRICE: $11,000.00

REFERENCES:
COMPANY: 1) 2)
CONTACT: 1) 2)
TELEPHONE: 1) 2)

COMMENTS: See next page.

COMMENTS:

Training is computer-based or audio cassette courses and seminars.

Yearly leases are available upon request.

Purchase price is a $11,000.00 one-time fee plus a maintenance fee. The maintenance fee is 12% of purchase price, after the first year.

NAME OF AID: DYL-280 II   ACRONYM: __________

COMPANY: DYLAKOR, Inc.   REPRESENTATIVE: Carolyn Cook
STREET : P.O.B. 3010, 17418 Chatsworth   TITLE: Vice Pres., Marketing & Sales
CITY/STATE/ZIP: Granada Hills, CA 91344   PHONE: (818) 366-1781

DESCRIPTION:
DYL-280 II is a free-form English language file and information management system, containing a range of information handling capabilities.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM and plug compatible
OPERATING SYSTEM REQUIRED FOR OPERATION: OS, DOS, SSX, CMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 250K INTERNAL STORAGE (BYTES)
1Mb EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: __________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: __________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 200 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: see comments   X PURCHASE PRICE: $15,000.00

REFERENCES: COMPANY: 1) __________   2) __________
CONTACT: 1) __________   2) __________
TELEPHONE: 1) __________   2) __________

COMMENTS: See next page.

COMMENTS:

DYL-280 II features include a customized letter writer and label generator, a data analysis facility, a report writer for simple or complex reports, and a utility facility for routine maintenance tasks.

Training is computer-based or via seminars.

Yearly lease is available upon request.

Purchase price is a $15,000.00 one-time fee plus a maintenance fee. The maintenance fee is 12% of purchase price per year, after the first year.

NAME OF AID: DYL-AUDIT ACRONYM: ____

COMPANY: DYLAKOR, Inc. REPRESENTATIVE: Carolyn Cook
STREET : P.O.B. 3010, 17418 Chatsworth TITLE: Vice Pres., Marketing & Sales
CITY/STATE/ZIP: Granada Hills, CA 91344 PHONE: (818) 366-1781

DESCRIPTION:
DYL-AUDIT is a complete generalized auditing, file management, information handling and report generating software system.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
X PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM and plug compatible
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS, OS, SSX, CMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 300K INTERNAL STORAGE (BYTES)
1Mb EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID: _ COBOL _ PL/1 X ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 300 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: see comments X PURCHASE PRICE: $21,800.00

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

DYL-AUDIT provides automatic computerized auditing functions for easy access to data and performance of accurate variables.

Training seminars are offered.

The purchase price includes DYL-280 II software. The maintenance fee is 12% of purchase price per year, after the first year.

NAME OF AID: DYL-ONLINE
ACRONYM: ______

COMPANY: DYLAKOR, Inc.
STREET : P.O.B. 3010, 17418 Chatsworth
CITY/STATE/ZIP: Granada Hills, CA 91344

REPRESENTATIVE: Carolyn Cook
TITLE: Vice Pres., Marketing & Sales
PHONE: (818) 366-1781

DESCRIPTION:
DYL-ONLINE is a completely interactive program development and report writing system designed to run with DYL-200/DYL-280 II under the MVS/TSO/ISPF environment. DYL-ONLINE offers users three levels of assistance from which to choose.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM and plug compatible
OPERATING SYSTEM REQUIRED FOR OPERATION: OS/MVS/ISPF
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 235K INTERNAL STORAGE (BYTES)
1Mb EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: X MONTHLY LEASE: see comments X PURCHASE PRICE: see comments

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

RESOURCES REQUIRED: The ISPF operating system requires 512K of internal storage.

Yearly leases are available upon request.

Purchase price: with DYL-280 II, $21,000.00; with DYL-200, $17,000.00.

Maintenance is 12% of purchase price per year, after the first year.

NAME OF AID: DYL-VLINK
ACRONYM: ____

COMPANY: DYLAKOR, Inc.
STREET : P.O.B. 3010, 17418 Chatsworth
CITY/STATE/ZIP: Granada Hills, CA 91344

REPRESENTATIVE: Carolyn Cook
TITLE: Vice Pres., Marketing & Sales
PHONE: (818) 366-1781

DESCRIPTION:
DYL-VLINK (Tempus-Link from Dylakor) is a communications and file transfer package with a transparent software link between micro and mainframe, complete with a virtual disk facility.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM and plug compatible
OPERATING SYSTEM REQUIRED FOR OPERATION: OS, DOS, SSX, CMS, PC/DOS, MS/DOS
COMPUTER: X MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED:
100K INTERNAL STORAGE (BYTES)
0.5M EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
X PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: see comments

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

More than a file transfer link, DY1-VLINK provides a micro-to-mainframe link, communication subsystem, virtual diskette facility and two Application Program Interfaces: one for the micro, the other for the mainframe.

Training consists of a tutorial on the diskette.

Purchase Price: OS - 10 MCUs $9,800 (Multiple Concurrent Users)
DOS - 5 MCUs $6,200
CMS - 5 MCUs $6,200

Price does not include a maintenance fee of 12% of the purchase price per year, after the first year.

NAME OF AID: DIANA/VDIANA
ACRONYM:

COMPANY: EDP Management, Inc.
STREET : 5465 Lake Murray Blvd.
CITY/STATE/ZIP: La Mesa, CA 92041

REPRESENTATIVE: Beverly Tisci
TITLE: Office Manager
PHONE: (619) 462-5400

DESCRIPTION:
These programs do directory analysis on all head-per-track disk files.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
X MAINTENANCE
_ DOCUMENTATION
X OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: Burroughs Medium System
OPERATING SYSTEM REQUIRED FOR OPERATION: MCP
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 20K INTERNAL STORAGE (BYTES)
EXTERNAL STORAGE (BYTES)
OTHER; SPECIFY:

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY:

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 10 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: X MONTHLY LEASE: $100.00 X PURCHASE PRICE: $1,000.00

REFERENCES: COMPANY: 1) 2)
CONTACT: 1) 2)
TELEPHONE: 1) 2)

COMMENTS: None

NAME OF AID: ISAM GENERATOR

ACRONYM: ______

COMPANY: EDP Management, Inc.
STREET : 5465 Lake Murray Blvd.
CITY/STATE/ZIP: La Mesa, CA 92041

REPRESENTATIVE: Beverly Tisci
TITLE: Office Manager
PHONE: (619) 462-5400

DESCRIPTION:
The ISAM GENERATOR is a parameter driven generator of COBOL code that allows indexed file access and maintenance.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: Burroughs Small, Medium Systems
OPERATING SYSTEM REQUIRED FOR OPERATION: MCP
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: 20K - Medium System

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 10 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: X MONTHLY LEASE: $400.00 X PURCHASE PRICE: $4,000.00

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: None

NAME OF AID: LIBFIX
ACRONYM:

COMPANY: EDP Management, Inc.
STREET : 5465 Lake Murray Blvd.
CITY/STATE/ZIP: La Mesa, CA 92041

REPRESENTATIVE: Beverly Tisci
TITLE: Office Manager
PHONE: (619) 462-5400

DESCRIPTION:
LIBFIX creates and maintains COBOL library files. This cuts programming time and provides for standardization of applications software.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
X OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: Burroughs Medium System
OPERATING SYSTEM REQUIRED FOR OPERATION: MCP
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 20K INTERNAL STORAGE (BYTES)
EXTERNAL STORAGE (BYTES)
OTHER; SPECIFY:

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY:

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 10 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: X MONTHLY LEASE: $50.00 X PURCHASE PRICE: $500.00

REFERENCES: COMPANY: 1) 2)
CONTACT: 1) 2)
TELEPHONE: 1) 2)

COMMENTS: None

NAME OF AID: LOOKAT ACRONYM: ____

COMPANY: EDP Management, Inc. REPRESENTATIVE: Beverly Tisci
STREET : 5465 Lake Murray Blvd. TITLE: Office Manager
CITY/STATE/ZIP: La Mesa, CA 92041 PHONE: (619) 462-5400

DESCRIPTION:
LOOKAT is a parameter-driven file compare program used to selectively find differences in two versions of the same file.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
_ DOCUMENTATION
X OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: Burroughs Medium, Large System
OPERATING SYSTEM REQUIRED FOR OPERATION: MCP
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: 30K - Medium System

LANGUAGE(S) OF AID:
_ COBOL _ PL/1 X ASSEMBLER
_ FORTRAN _ BASIC X OTHER; SPECIFY: ALGOL - Large

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 12 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: X MONTHLY LEASE: $400-600 X PURCHASE PRICE: $4,000-6,000

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: None

NAME OF AID: LOOKUP ACRONYM: ______

COMPANY: EDP Management, Inc.
STREET : 5465 Lake Murray Blvd.
CITY/STATE/ZIP: La Mesa, CA 92041

REPRESENTATIVE: Beverly Tisci
TITLE: Office Manager
PHONE: (619) 462-5400

DESCRIPTION:
This version of LOOKUP is a versatile file correction/extraction program that provides scanning and report writing capabilities.

CONVERSION TOOL:
_ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE

X DOCUMENTATION
X OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

SOURCE HARDWARE: ______
TARGET HARDWARE: ______
SOURCE SOFTWARE: ______
TARGET SOFTWARE: ______

HARDWARE/MODEL REQUIRED FOR OPERATION: Burroughs Medium System
OPERATING SYSTEM REQUIRED FOR OPERATION: MCP
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 30K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 14 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: X MONTHLY LEASE: $300.00 X PURCHASE PRICE: $3,000.00

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: None

NAME OF AID: LOOKUP
ACRONYM:

COMPANY: EDP Management, Inc.
STREET : 5465 Lake Murray Blvd.
CITY/STATE/ZIP: La Mesa, CA 92041
REPRESENTATIVE: Beverly Tisci
TITLE: Office Manager
PHONE: (619) 462-5400

DESCRIPTION:
LOOKUP is an interactive, COBOL-like compiler that may reduce software development time. It is particularly useful for file conversions and one-time only applications.

CONVERSION TOOL:
_ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

SOURCE HARDWARE:
TARGET HARDWARE:
SOURCE SOFTWARE:
TARGET SOFTWARE:

HARDWARE/MODEL REQUIRED FOR OPERATION: Burroughs Large System
OPERATING SYSTEM REQUIRED FOR OPERATION: MCP
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY:

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: ALGOL

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 10 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: X MONTHLY LEASE: $1,250.00 X PURCHASE PRICE: $12,500.00

REFERENCES: COMPANY: 1) 2)
CONTACT: 1) 2)
TELEPHONE: 1) 2)

COMMENTS: None

NAME OF AID: PREFIX ACRONYM: ________

COMPANY: EDP Management, Inc.
STREET : 5465 Lake Murray Blvd.
CITY/STATE/ZIP: La Mesa, CA 92041

REPRESENTATIVE: Beverly Tisci
TITLE: Office Manager
PHONE: (619) 462-5400

DESCRIPTION:
This program generates numerical prefixes for procedure names in COBOL source programs.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: Burroughs Medium System
OPERATING SYSTEM REQUIRED FOR OPERATION: MCP
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 40K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 10 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE bY ____ FIRMS
_ TRAINING

PRICE: X MONTHLY LEASE: $150.00 X PURCHASE PRICE: $1,500.00

REFERENCES: COMPANY: 1) ____________ 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: None

NAME OF AID: QUICK
ACRONYM: ______

COMPANY: EDP Management, Inc.
STREET : 5465 Lake Murray Blvd.
CITY/STATE/ZIP: La Mesa, CA 92041

REPRESENTATIVE: Beverly Tisci
TITLE: Office Manager
PHONE: (619) 462-5400

DESCRIPTION:
QUICK is an extremely helpful COBOL-like "compile and go" compiler. QUICK is often used to quickly generate and change test data.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
X TESTING
X MAINTENANCE
_ DOCUMENTATION
X OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: Burroughs Medium System
OPERATING SYSTEM REQUIRED FOR OPERATION: MCP
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 40K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 10 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: X MONTHLY LEASE: $400.00
X PURCHASE PRICE: $4,000.00

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: None

NAME OF AID: REFORMAT ACRONYM: ____

COMPANY: EDP Management, Inc.
STREET : 5465 Lake Murray Blvd.
CITY/STATE/ZIP: La Mesa, CA 92041

REPRESENTATIVE: Beverly Tisci
TITLE: Office Manager
PHONE: (619) 462-5400

DESCRIPTION:
REFORMAT enables programmers to write shorthand versions of COBOL using standard and user-defined shorthand conventions.

CONVERSION TOOL:
_ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
_ SIMULATION
_ DESIGN
X CODE GENERATION
X TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

SOURCE HARDWARE: ____
TARGET HARDWARE: ____
SOURCE SOFTWARE: ____
TARGET SOFTWARE: ____

HARDWARE/MODEL REQUIRED FOR OPERATION: Burroughs Small, Medium, Large
OPERATING SYSTEM REQUIRED FOR OPERATION: MCP
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 50K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID: X COBOL _ PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ____

DOCUMENTATION: _ TECHNICAL PAPER X USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) _ FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN X PRIVATE DOMAIN
_ IN USE FOR ___ YEARS _ IN USE BY ____ FIRMS
_ DEMONSTRATIONS _ TRAINING

PRICE: X MONTHLY LEASE: $350/750 X PURCHASE PRICE: $3,500/7,500

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

Prices vary depending on computer system and options taken.

This product can also be made available on most machines which support full ANSI COBOL.

NAME OF AID: REPORT WRITER SIMULATOR ACRONYM: ____

COMPANY: EDP Management, Inc.
STREET : 5465 Lake Murray Blvd.
CITY/STATE/ZIP: La Mesa, CA 92041

REPRESENTATIVE: Beverly Tisci
TITLE: Office Manager
PHONE: (619) 462-5400

DESCRIPTION:
This product is a utility program that reads COBOL sources containing ANSI Report-Writer syntax and generates functionally equivalent COBOL source statements.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: Burroughs Medium System
OPERATING SYSTEM REQUIRED FOR OPERATION: MCP
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 50K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID: X COBOL _ PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 10 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: X MONTHLY LEASE: $400.00 X PURCHASE PRICE: $4,000.00

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: None

NAME OF AID: SOURCE

ACRONYM: ___

COMPANY: EDP Management, Inc.
STREET : 5465 Lake Murray Blvd.
CITY/STATE/ZIP: La Mesa, CA 92041

REPRESENTATIVE: Beverly Tisci
TITLE: Office Manager
PHONE: (619) 462-5400

DESCRIPTION:
SOURCE provides COBOL programmers with the ability to maintain their programs without re-compiling.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: Burroughs Medium System
OPERATING SYSTEM REQUIRED FOR OPERATION: MCP
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 40K INTERNAL STORAGE (BYTES)
___ EXTERNAL STORAGE (BYTES)
___ OTHER; SPECIFY: ___

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ___

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 10 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ___ FIRMS
_ TRAINING

PRICE: X MONTHLY LEASE: $150.00 X PURCHASE PRICE: $1,500.00

REFERENCES: COMPANY: 1) ___ 2) ___
CONTACT: 1) ___ 2) ___
TELEPHONE: 1) ___ 2) ___

COMMENTS: None

NAME OF AID: EASE+ ACRONYM:

COMPANY: Expert-EASE Systems
STREET : 932 Santa Cruz
CITY/STATE/ZIP: Menlo Park, CA 94025

REPRESENTATIVE: Dr. Rodney R. Gay
TITLE: Director of Marketing
PHONE: (415) 325-4400

DESCRIPTION:
EASE+ is a software product that allows the user to design a graphical, workstation-like, input and output processor for any computer code which requires an input file.

CATEGORY:
_ SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC
OPERATING SYSTEM REQUIRED FOR OPERATION: MS-DOS 2.0
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: 440K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY:

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: C

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
X SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 1 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 15 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: $8,000.00

REFERENCES:
COMPANY: 1) Yankee Atomic Electric 2) Pacific Gas & Electric
CONTACT: 1) Mr. Ron Lucier 2) Mr. Caxton Rhodes
TELEPHONE: 1) (617) 872-8100 2) (415) 972-6530

COMMENTS: See next page.

COMMENTS:

EASE+ runs on an IBM -PC, and can be set up to be the input-output processor for any computer code. EASE+ is useful for engineering models where it allows the user to build a two-dimensional, graphical model diagram as part of the input preparation process.

EASE+ consists of an executive control module which reads data tables set up by the user. These tables contain the application dependent information which makes EASE+ the specific interface for a given computer code. Expert-EASE Systems supplies the EASE+ purchaser with a set of TOOLS which may be used to set up the data tables for a given application. The EASE+TOOLS consist of a series of programs which allow the user to design and save graphical images for use in modeling, forms for data input, data file catalogues, menus to appear on the screen, and help messages to appear in windows superimposed over the menus or forms.

Once EASE+ has been customized for a given application, the user can build an input deck by drawing the diagram of the system being analyzed on the screen of the IBM PC. Input forms can be called up from the model diagram so that data may be entered describing each graphical image. EASE+ can then generate an input file, based on the graphical model and the data input on the forms, in any format required by the computer code. This input file can be sent to a mainframe computer for execution, and results can be brought back for display on the model diagram or for plotting.

NAME OF AID: Configuration Management Toolkit
ACRONYM: CMT

COMPANY: Expertware, Inc.
STREET : 2685 Marine Way, #1209
CITY/STATE/ZIP: Mt. View, CA 94043

REPRESENTATIVE: Paul Sonnenblick
TITLE: President
PHONE: (415) 965-8921

DESCRIPTION:
Configuration management is a systematic method for controlling change of software development projects. The Toolkit is highly tailored to each environment and generally requires additional development effort.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
X MAINTENANCE
X DOCUMENTATION
X OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: various
OPERATING SYSTEM REQUIRED FOR OPERATION: UNIX
COMPUTER: X MAINFRAME X MINI X MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY:

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: C

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 1 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: _ PURCHASE PRICE:

REFERENCES: COMPANY: 1) Telematic 2)
CONTACT: 1) Steve Cotton 2)
TELEPHONE: 1) 2)

COMMENTS: See next page.

COMMENTS:

The basic CMT set consists of the following three components: Configuration File Management Tool, System Problem Reporting Tool, and Cross Reference Tool. Expertware will determine exact requirements for each system and project environment and will submit a formal proposal for each installation.

The extended tool set provides the following additional capabilities: Template Tool, Version Description Document Tool, Make/Build Tool, and Documentation Support Tool.

Expertware provides a single computer object code license and a one year limited warranty.

NAME OF AID: Project Observation Workbench & Eval. Reporter
ACRONYM: POWER

COMPANY: Expertware, Inc.
REPRESENTATIVE: Paul Sonnenblick
STREET : 2685 Marine Way, #1209
TITLE: President
CITY/STATE/ZIP: Mt. View, CA 94043
PHONE: (415) 965-8921

DESCRIPTION:
POWER defines a discipline for managing software development and heightens management control in every phase of the development life cycle.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: PC/PC compatibles
OPERATING SYSTEM REQUIRED FOR OPERATION: MS-DOS/PC-DOS
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: 256K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 20 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ______ X PURCHASE PRICE: $4,500.00

REFERENCES: COMPANY: 1) Burroughs 2) General Dynamics
CONTACT: 1) L. Tracey 2) Sylvia Blair
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

POWER quantifies project "health", highlights and pinpoints critical problem areas, automates the data collection process for project evaluation, eliminates management conflicts in identifying problems, and promotes management concensus in identifying solutions.

POWER reduces the risk of project failure, identifies specific problems while they are solvable, suggests probable solutions, and tracks effectiveness of implemented solutions.

NAME OF AID: Octopus Spacebank
ACRONYM: ______

COMPANY: Facilities Data, Inc.
STREET : 38 Brattle Street
CITY/STATE/ZIP: Cambridge, MA 02138

REPRESENTATIVE: Michael Benn
TITLE: President
PHONE: (617) 576-2775

DESCRIPTION:
This is a facilities management and equipment maintenance software system.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC/XT
OPERATING SYSTEM REQUIRED FOR OPERATION: MS-DOS
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED:
256K INTERNAL STORAGE (BYTES)
10Mb EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
X MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 1 YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ______ X PURCHASE PRICE: $3,995.00

REFERENCES: COMPANY: 1) Raytheon, Co. 2) Computervision Corp.
CONTACT: 1) Nick Romito 2) Dick Goulet
TELEPHONE: 1) (617) 393-7300 2) (617) 275-1800

COMMENTS: None

NAME OF AID: COBOL Cross Reference Tool ACRONYM: SXRF

COMPANY: Fed. Software Mgmt. Supp. Ctr. REPRESENTATIVE: ____
STREET : 5203 Leesburg Pike, Suite 1100 TITLE: ____
CITY/STATE/ZIP: Falls Church, VA 22041 PHONE: (703) 756-6153

DESCRIPTION:
The COBOL SXRF is a COBOL source program documentation software tool that provides a comprehensive cross reference of user defined words and literals in a COBOL program.

CONVERSION TOOL:
_ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

SOURCE HARDWARE: ____
TARGET HARDWARE: ____
SOURCE SOFTWARE: ____
TARGET SOFTWARE: ____

HARDWARE/MODEL REQUIRED FOR OPERATION: ____
OPERATING SYSTEM REQUIRED FOR OPERATION: ____
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: 30K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
X PUBLIC DOMAIN
X IN USE FOR 3 YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
X IN USE BY 2 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: $1,050.00

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

HARDWARE/MODEL REQUIRED: Any supporting ANS-COBOL 74/68.

The SXRF source listing contains:

- a source listing of the program with reference line numbers associated with each source image;
- a table showing which COBOL verbs were present in the program, giving the number of times each verb occurred and the frequency percent of each verb;
- the number of executable statements in the Procedure Division; and
- the number of paragraphs and sections in Procedure Division.

The cross reference report contains:

- a cross reference of each user defined word and literal in the program. Along with the line number of the definition and each reference, the line of source code in which the reference or definition takes place is also presented. This permits the programmer to know the precise definition and the types of references made to any user defined word or literal;
- the type of definition for each name or literal, e.g., FD, 01, Paragraph Name, etc.;
- the type of reference for each name or literal, e.g., operand in an ADD statement, etc.; and
- the name of the record or procedure name under which the definition or reference occurs.

There are two versions of the COBOL SXRF: one written in the High-Intermediate level of COBOL 68 (X3.23-1968 - FIPS PUB 21) and the other written in High-Intermediate level of COBOL 74 (X3.23-1974 - FIPS PUB 21-1). The SXRF requires approximately 30K bytes of memory to execute, uses the COBOL sort, requires one input file and a sequential work file, and produces two reports. The reserved word table may have to be modified to include non-ANSI reserved words.

This product is distributed through the National Technical Information Service (NTIS), Department of Commerce, 5285 Port Royal Road, Springfield, VA 22161. The NTIS Product Accession Number is PB82-167305.

NAME OF AID: COBOL Source Code Formatter
ACRONYM: FRMT

COMPANY: Fed. Software Mgmt. Supp. Ctr.
STREET : 5203 Leesburg Pike, Suite 1100
CITY/STATE/ZIP: Falls Church, VA 22041

REPRESENTATIVE:
TITLE:
PHONE: (703) 756-6153

DESCRIPTION:
The COBOL FRMT is a software tool that will accept a working COBOL source program and produce a new source program that has been formatted according to the FRMT standards.

CONVERSION TOOL:
_ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
X MAINTENANCE

X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

SOURCE HARDWARE:
TARGET HARDWARE:
SOURCE SOFTWARE:
TARGET SOFTWARE:

HARDWARE/MODEL REQUIRED FOR OPERATION:
OPERATING SYSTEM REQUIRED FOR OPERATION:
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: 35K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY:

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY:

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
X PUBLIC DOMAIN
X IN USE FOR 3 YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
X IN USE BY 4 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE:
X PURCHASE PRICE: $1,050.00

REFERENCES: COMPANY: 1) 2)
CONTACT: 1) 2)
TELEPHONE: 1) 2)

COMMENTS: See next page.

COMMENTS:

HARDWARE/MODEL REQUIRED: Any supporting ANS-COBOL 74/68

The benefits of using a source code formatter include having a library of programs that "look the same" with regard to source code indentation and placement of specific clauses and statements. A code formatter can be especially useful in an interactive programming environment where programmers modify programs using interactive terminals.

The Data Division is reformatted such that there is a blank line before each File Description entry and 01 record description entry. Level numbers subordinate to the 01 are renumbered by 2 (e.g., 03, 05, 07) for each higher level number. Level numbers subordinate to an 01 are indented four spaces to the right for each higher level number in the record in order to visually establish the data hierarchy of each record description. The PICTURE clause is positioned in column 40 and the VALUE clause follows if it will fit on the same line - otherwise it will be placed on the next source line for readability purposes.

The Procedure Division is formatted so that there is only one statement per source line to simplify the reading, understanding and modification of the source code. All IF statements and other conditional statements are indented to reveal the hierarchy of execution of the Procedure Division source code.

There are two versions of the COBOL FRMT: one written in the High-Intermediate Level of COBOL 68 (X3.23-1974 - FIPS PUB 21) and the other written in High-Intermediate Level of COBOL (X3.23-1974 - FIPS PUB 21-1). The FRMT requires approximately 35K bytes of memory to execute and requires one sequential work file.

This product is distributed through the National Technical Information Service (NTIS), Department of Commerce, 5285 Port Royal Road, Springfield, VA 22161. The NTIS Product Accession Number is PB82-167271. The telephone number for NTIS is (703) 487-4650.

NAME OF AID: COBOL Test Coverage Monitor

ACRONYM: TCM

COMPANY: Fed. Software Mgmt. Supp. Ctr.
STREET : 5203 Leesburg Pike, Suite 1100
CITY/STATE/ZIP: Falls Church, VA 22041

REPRESENTATIVE:
TITLE:
PHONE: (703) 756-6153

DESCRIPTION:
The TCM is used to identify the exact percentage of the program that has been executed and pinpoint the areas needing programmer attention.

CONVERSION TOOL:
_ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
_ MAINTENANCE

_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

SOURCE HARDWARE:
TARGET HARDWARE:
SOURCE SOFTWARE:
TARGET SOFTWARE:

HARDWARE/MODEL REQUIRED FOR OPERATION:
OPERATING SYSTEM REQUIRED FOR OPERATION:
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED:
35K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY:

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY:

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
X PUBLIC DOMAIN
X IN USE FOR 3 YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
X IN USE BY 4 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: $1,050.00

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

HARDWARE/MODEL REQUIRED: Any supporting ANS-COBOL 74/68.

The COBOL TCM aids in determining the degree to which a program has been tested. The TCM accepts as input a working COBOL program based on COBOL 68 or COBOL 74. It instruments the COBOL program by adding the source code necessary to measure the percentage of the code executed in the COBOL program. When the instrumented program executes, counters are used to save information regarding what parts of the program have been executed. When the program terminates, a report is produced by the instrumented code in the program. This report gives the frequency of the execution of each paragraph, and all conditionally executed code. The code that was not executed is identified, enabling the programmer to find areas in the program that will require additional testing. The TCM can help identify the exact percentage of the program that has been executed and pinpoint the areas that need the programmer´s attention.

The TCM can also be used for other tasks such as determining whether adequate test data is available for program conversion purposes.

The TCM can be useful in identifying the parts of the COBOL program which are executed most frequently. The frequency counts provided by the TCM for the source code will quickly enable a programmer to find the areas of the program which need attention.

There are two versions of the COBOL TCM: one written in the High-Intermediate level of COBOL 68 and the other written in the High-Intermediate level of COBOL 74. The TCM requires approximately 35K bytes of memory to execute. The instrumented program will require between 20% and 50% more memory in order to execute. It will take approximately 15% more time to execute. The instrumented program produced by the TCM is stand-alone in the sense that it needs no additional support in terms of work files or other software processors in order to execute and produce the runtime reports.

This product is distributed through the National Technical Information Service (NTIS), Department of Commerce, 5285 Port Royal Road, Springfield, VA 22161. The telephone number is (703) 487-4650. The NTIS Product Accession Number is PB82-167263.

NAME OF AID: Conversion Cost Model (version 3) ACRONYM: ______

COMPANY: Fed. Software Mgmt. Supp. Ctr.
STREET : 5203 Leesburg Pike, Suite 1100
CITY/STATE/ZIP: Falls Church, VA 22041

REPRESENTATIVE: Richard G. Harrison
TITLE: Director
PHONE: (703) 756-6153

DESCRIPTION:
The Conversion Cost Model (version 3) estimates conversion costs early in the acquisition and planning stages when detailed information is unavailable (e.g., the target system vendor).

CONVERSION TOOL:	_ TRANSLATOR	SOFTWARE TOOL:	_ SIMULATION	_ DOCUMENTATION
	X CONVERSION AID		_ DESIGN	_ OPERATION
	_ EMULATOR		_ CODE GENERATION	_ PERFORMANCE MEASURE
	_ SIMULATOR		_ TESTING	_ SUPPLEMENTAL SUPPORT
			_ MAINTENANCE	X PROJECT MANAGEMENT

SOURCE HARDWARE: ______
TARGET HARDWARE: ______
SOURCE SOFTWARE: ______
TARGET SOFTWARE: ______

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC/XT
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS version 3.0
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:	_ COBOL	_ PL/1	_ ASSEMBLER
	_ FORTRAN	X BASIC	_ OTHER; SPECIFY: ______

DOCUMENTATION:	X TECHNICAL PAPER	X USER MANUAL
	_ MAINTENANCE MANUAL	_ TEST/PLAN PROCEDURE
	_ SPECIFICATION (DEV/PLAN)	_ FULL DOCUMENTATION

ACCESSIBILITY:	X PUBLIC DOMAIN	_ PRIVATE DOMAIN
	X IN USE FOR 4 YEARS	X IN USE BY 50 FIRMS
	_ DEMONSTRATIONS	_ TRAINING

PRICE: _ MONTHLY LEASE: ______ X PURCHASE PRICE: $250.00

REFERENCES: COMPANY:	1) available upon request	2) ______
CONTACT:	1) ______	2) ______
TELEPHONE:	1) ______	2) ______

COMMENTS: See next page.

COMMENTS:

The purchase price is tentative. The price will be determined by October, 1985.

NAME OF AID: File Compare Utility
ACRONYM: FCOMP

COMPANY: Fed. Software Mgmt. Supp. Ctr.
STREET : 5203 Leesburg Pike, Suite 1100
CITY/STATE/ZIP: Falls Church, VA 22041
REPRESENTATIVE: ____
TITLE: ____
PHONE: (703) 756-6153

DESCRIPTION:
The COBOL FCOMP file compare software tool is designed to be used in comparing the contents of two files, identifying both added and deleted records, as well as those records which have been changed.

CONVERSION TOOL:
_ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

SOURCE HARDWARE: ____
TARGET HARDWARE: ____
SOURCE SOFTWARE: ____
TARGET SOFTWARE: ____

HARDWARE/MODEL REQUIRED FOR OPERATION: ____
OPERATING SYSTEM REQUIRED FOR OPERATION: ____
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: 96K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
X PUBLIC DOMAIN
X IN USE FOR 3 YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
X IN USE BY 2 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____
X PURCHASE PRICE: $1,050.00

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

HARDWARE/MODEL REQUIRED: Any supporting ANS-COBOL 74-68

FCOMP can be used to compare data files. There are options to mask out certain parts of a record which should not be compared. FCOMP is character oriented. It can deal with non-character data but provides less information about the content of the non-matching non-character data.

FCOMP produces a report that identifies records which do not compare due to changes in the data of the record, and records which are added to or deleted from either of the two files.

FCOMP can also be used to compare two source programs and identify the differences between them. FCOMP parameters are available specifically for comparing two COBOL programs or two FORTRAN programs. However, with the mask feature, FCOMP can be used to compare source programs written in languages other than COBOL or FORTRAN.

There are two versions of the COBOL FCOMP: one written in COBOL 68 (X3.23-1968 - FIPS PUB 21) and the other written in COBOL 74 (X3.23-1974 - FIPS PUB 21-1). The FCOMP system requires between 30K and 96K bytes of memory (depending on the maximum record size defined during the system generation of FCOMP) to execute, requires two input files whicfh are to be compared and produces a report describing the results of the compare operation.

This product is distributed through the National Technical Information Service (NTIS), Department of Commerce, 5285 Port Royal Road, Springfield, VA 22161. The telephone number is (703) 487-4650. The NTIS Product Accession Number is PB82-167289.

NAME OF AID: FORTRAN 77 Analyzer ACRONYM: ________

COMPANY: Fed. Software Mgmt. Supp. Ctr. REPRESENTATIVE: ____________________
STREET : 5203 Leesburg Pike, Suite 1100 TITLE: ____________________
CITY/STATE/ZIP: Falls Church, VA 22041 PHONE: (703) 756-6153

DESCRIPTION:
The FORTRAN 77 Analyzer evaluates the structure of a FORTRAN program both statically, based on the source code, and dynamically during execution of the compiled program.

CONVERSION TOOL:
_ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE

X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

SOURCE HARDWARE: ____________________
TARGET HARDWARE: ____________________
SOURCE SOFTWARE: ____________________
TARGET SOFTWARE: ____________________

HARDWARE/MODEL REQUIRED FOR OPERATION: ____________________
OPERATING SYSTEM REQUIRED FOR OPERATION: ____________________
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: 64K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________________

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: __________

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
X PUBLIC DOMAIN
X IN USE FOR 3 YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
X IN USE BY 4 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: __________ X PURCHASE PRICE: $1,050.00

REFERENCES: COMPANY: 1) ____________________ 2) ____________________
CONTACT: 1) ____________________ 2) ____________________
TELEPHONE: 1) ____________________ 2) ____________________

COMMENTS: See next page.

COMMENTS:

HARDWARE/MODEL REQUIRED: Any supporting ANS-FORTRAN 77

The reports produced by the system are as follows:

- statistical summary of statement and segment information at both the routine and program level;
- program call tree giving hierarchical display of inter-module references;
- segment utilization at the program level;
- assertion utilization at the program level;
- source program listing annotated with segment and assertion execution information;
- distribution of statements by type with static frequencies at both the routine and program levels;
- distribution of statements by type with dynamic frequencies at both the routine and program levels;
- invocation frequency of all routines contained within the program;
- percent of segment execution coverage; and
- percent of statement execution coverage.

The FORTRAN Analyzer software tool is made up of a pre-processor to instrument and statically analyze the program and a post-processor which produces reports based on the execution of the instrumented program. The pre-processor accepts as input a working FORTRAN 77 source program and parameters defining the amount of analysis required. The output from the pre-processor includes the static analysis reports described previously and a new copy of the input program. The new program contains instrumentation code which is used for obtaining execution time information during normal program execution.

The FORTRAN 77 Analyzer is written using the full set of FORTRAN 77 (X3.9-1978 - FIPS PUB 69). It requires approximately 64K bytes of memory to execute. It requres several sequential work files, accepts as input a source program written in FORTRAN 77 and outputs a program which contains measurement code producing statistics based on the execution of the program.

This product is distributed through the National Technical Information Service (NTIS), Department of Commerce, 5285 Port Royal Road, Springfield, VA 22161. The NTIS Product Accession Number is PB82-167305.

NAME OF AID: Primavera Project Planner

ACRONYM: ________

COMPANY: Forward Associates, Ltd.
STREET : P.O. Box 1640
CITY/STATE/ZIP: Novato, CA 94948

REPRESENTATIVE: Don Scarborough
TITLE: President - C.E.O.
PHONE: (415) 892-2180

DESCRIPTION:
The Primavera Project Planner is critical path scheduling software with resource leveling, cost control and graphics.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC/XT or AT
OPERATING SYSTEM REQUIRED FOR OPERATION: MS-DOS 2.0 or greater
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: 512K INTERNAL STORAGE (BYTES)
10Mb EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 5 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ________ X PURCHASE PRICE: $2,500.00

REFERENCES: COMPANY: 1) ____________ 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: None

NAME OF AID: FORTRAN STRUCTURED PROGRAMMING

ACRONYM: IFTRAN

COMPANY: General Research Corporation
STREET : 5383 Hollister Avenue
CITY/STATE/ZIP: Santa Barbara, CA 9311

REPRESENTATIVE: William R. De Haan
TITLE: Dir., The Software Workshop
PHONE: (805) 964-7724

DESCRIPTION:
This product provides FORTRAN with structured programming by adding eight control structures. IFTRAN is both a language and a preprocessor.

CATEGORY:
_ SIMULATION
X DESIGN
X CODE GENERATION
X TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: any
OPERATING SYSTEM REQUIRED FOR OPERATION: any
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: 40K INTERNAL STORAGE (BYTES)
5K EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 12 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 200+ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____
X PURCHASE PRICE: $1,875.00

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

IFTRAN is GSA listed. IFTRAN constructs include a block IF, WHILE, CASE, DO REPEAT/UNTIL, LOOP, FOR, and INVOKE/BLOCK. Using IFTRAN, programs can be written in a top-down, block-structured manner without branching or GO TOs.

ME OF AID: FORTRAN TOOL KIT ACRONYM: RXVP80

MPANY: General Research Corporation
REPRESENTATIVE: William R. De Haan
REET : 5383 Hollister Avenue
TITLE: Dir., The Software Workshop
TY/STATE/ZIP: Santa Barbara, CA 93111
PHONE: (805) 964-7724

ESCRIPTION:
his product is used to improve, document, verify, and validate the quality of oftware and testing. It provides static analysis and dynamic analysis as well s fully automated documentation tools for FORTRAN programs.

ONVERSION TOOL:
_ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
_ SIMULATION
X DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
X DOCUMENTATION
X OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

SOURCE HARDWARE: ______
TARGET HARDWARE: ______
SOURCE SOFTWARE: ______
TARGET SOFTWARE: ______

HARDWARE/MODEL REQUIRED FOR OPERATION: any
OPERATING SYSTEM REQUIRED FOR OPERATION: any
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: 400K INTERNAL STORAGE (BYTES)
100K EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: 32 bit word minimum

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: IFTRAN

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 10 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 50+ FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ______ X PURCHASE PRICE: $5-20,000.00

REFERENCES: COMPANY: 1) Lear Seigler, Inc. 2) Hughes Aircraft Company
CONTACT: 1) Ms. Katherin Hornbach 2) Michael S. Deutsch
TELEPHONE: 1) (616) 241-8800 2) (213) 648-0327

COMMENTS: None

NAME OF AID: FORTRAN VERIFIABLE PROGRAMMING

ACRONYM: V-IFTRAN

COMPANY: General Research Corporation
STREET : 5383 Hollister Avenue
CITY/STATE/ZIP: Santa Barbara, CA 93111

REPRESENTATIVE: William R. De Haan
TITLE: Dir., The Software Workshop
PHONE: (805) 964-7724

DESCRIPTION:
This product provides all of the IFTRAN capability plus automatic boundary checking and printing of data by name and value.

CATEGORY:
_ SIMULATION
X DESIGN
X CODE GENERATION
X TESTING
X MAINTENANCE
X DOCUMENTATION
X OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: any
OPERATING SYSTEM REQUIRED FOR OPERATION: any
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: 50K INTERNAL STORAGE (BYTES)
6K EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: IFTRAN

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 12 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 100+ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ______ X PURCHASE PRICE: $2,875.00

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

V-IFTRAN is GSA listed.

Facilities exist that allow the programmer to intercept or trap error situations before the program "bombs".

NAME OF AID: MAINTENANCE OF CODE ACRONYM: PORTUP

COMPANY: General Research Corporation
STREET : 5383 Hollister Avenue
CITY/STATE/ZIP: Santa Barbara, CA 93111

REPRESENTATIVE: William R. De Haan
TITLE: Dir., The Software Workshop
PHONE: (805) 964-7724

DESCRIPTION:
This tool provides source code and data maintenance facilities regardless of the computer being used. It provides an audit trail of changes made and allows conditional use of source code and data.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: any
OPERATING SYSTEM REQUIRED FOR OPERATION: any
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: 60K INTERNAL STORAGE (BYTES)
60K EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: 32 bit word minimum

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: IFTRAN

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 5 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 5 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: $4,875.00

REFERENCES: COMPANY: 1) ____________ 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

PORTUP and its source code/data master file can be "ported" from one computer to another.

NAME OF AID: The Intelligent Machine Model
ACRONYM: TIMM

COMPANY: General Research Corporation
STREET : 7655 Old Springhouse Road
CITY/STATE/ZIP: McLean, VA 22102

REPRESENTATIVE: Dr. Wanda Rappaport
TITLE: Director, Software Sales
PHONE: (703) 893-5900

DESCRIPTION:
TIMM is a generic tool for building expert systems in any domain.

CATEGORY:
_ SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: any model with FORTRAN compiler
OPERATING SYSTEM REQUIRED FOR OPERATION: ____
COMPUTER: X MAINFRAME X MINI X MICRO

RESOURCES REQUIRED:
____ INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 12 FIRMS
X TRAINING

PRICE:
_ MONTHLY LEASE: ____
X PURCHASE PRICE: $9500-39,500

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: None

NAME OF AID: The Intelligent Machine Model - Tuner

ACRONYM: TIMM-Tuner

COMPANY: General Research Corporation
STREET : 7655 Old Springhouse Road
CITY/STATE/ZIP: McLean, VA 22102

REPRESENTATIVE: Dr. Wanda Rappaport
TITLE: Director, Software Sales
PHONE: (703) 893-5900

DESCRIPTION:
TIMM-Tuner is an artificial intelligence tool for measuring and improving the performance of the VMS operating system on VAX computers.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: VAX 11/750, 11/780
OPERATING SYSTEM REQUIRED FOR OPERATION: VMS
COMPUTER: _ MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______________

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______________

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 15 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ___________ X PURCHASE PRICE: $3,900.00

REFERENCES: COMPANY: 1) ______________ 2) ______________
CONTACT: 1) ______________ 2) ______________
TELEPHONE: 1) ______________ 2) ______________

COMMENTS: None

NAME OF AID: Computer-Aided Instruction 716 C/ATLAS
ACRONYM: ____

COMPANY: Giordano Associates
STREET : 21 White Deer Plaza
CITY/STATE/ZIP: Sparta, NJ 07871

REPRESENTATIVE: Beth Heinzelman
TITLE: Training
PHONE: (201) 729-5888

DESCRIPTION:
This product provides essential background information for the understanding and usage of IEEE-STD-716 C/ATLAS as a test programming language. Comparisons and relations between ADA, ATLAS, CIIL, and BASIC are made.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC/XT
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS 3.0
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: 256K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: 2 floppies or hard disk

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: Scholar Teach

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: upon request

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

The product was written with Boeing Scholar/Teach and based upon the military-developed 716 ATLAS course. It is compatible with MATE, CASS, IFTE, MCATE and TPS polict across all the Armed Services.

716 C/ATLAS Courseware Modules: Introduction, Introduction Data Processing, Data Processing, Control Statements, Input/Output, Signal Description Language, Signal Control Language, Timing Control, Procedures and Modules, Syntax Diagrams and IEEE-STD-716, Digital Data Processing, Digital Test Statements.

NAME OF AID: ADABAS DATA LOAD

ACRONYM: EXODUS

COMPANY: Heuristic Developments
STREET : 7708 Newcastle Drive
CITY/STATE/ZIP: Annandale, VA 22003

REPRESENTATIVE: Daniel A. Nolan
TITLE: President
PHONE: (703) 644-3100

DESCRIPTION:
EXODUS produces standard load programs on any file from a data dictionary.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 30XX or 43XX, DEC/VAX
OPERATING SYSTEM REQUIRED FOR OPERATION: OS, MVS, VM, VMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: ADABAS

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: NATURAL

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 5 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 10 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: $1,000.00

REFERENCES: COMPANY: 1) State of Utah 2) Consumer Product
CONTACT: 1) ____________ 2) Safety Commission
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: None

NAME OF AID: ADABAS DBA SUPPORT
ACRONYM: ADADBA

COMPANY: Heuristic Developments
STREET : 7708 Newcastle Drive
CITY/STATE/ZIP: Annandale, VA 22003

REPRESENTATIVE: Daniel A. Nolan
TITLE: President
PHONE: (703) 644-3100

DESCRIPTION:
ADADBA places the ability to list files, programs and code usage statistics in the programmer's domain.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
_ OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 43XX or 30XX, DEC/VAX
OPERATING SYSTEM REQUIRED FOR OPERATION: OS, MVS, VM, VMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: ADABAS

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: NATURAL

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 5 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 10 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ___________ X PURCHASE PRICE: $1,000.00

REFERENCES:	1)	2)
COMPANY:	State of Utah	Consumer Product
CONTACT:		Safety Commission
TELEPHONE:		

COMMENTS: None

NAME OF AID: ADABAS ONLINE MAINTENANCE
ACRONYM: INSITU

COMPANY: Heuristic Developments
STREET : 7708 Newcastle Drive
CITY/STATE/ZIP: Annandale, VA 22003

REPRESENTATIVE: Daniel A. Nolan
TITLE: President
PHONE: (703) 644-3100

DESCRIPTION:
INSITU produces a standard maintenance program on any file from a data dictionary.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 43XX or 30XX, DEC/VAX
OPERATING SYSTEM REQUIRED FOR OPERATION: OS, MVS, VM, VMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: ADABAS

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: NATURAL

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 7 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ___________ X PURCHASE PRICE: $1,000.00

REFERENCES:
COMPANY: 1) State of Utah 2) Consumer Product
CONTACT: 1) ___________ 2) Safety Commission
TELEPHONE: 1) ___________ 2) ___________

COMMENTS: None

NAME OF AID: ADABAS PROGRAMMER PROTECTION
ACRONYM: LAZARUS

COMPANY: Heuristic Developments
STREET : 7708 Newcastle Drive
CITY/STATE/ZIP: Annandale, VA 22003
REPRESENTATIVE: Daniel A. Nolan
TITLE: President
PHONE: (703) 644-3100

DESCRIPTION:
LAZARUS makes prior versions of programs available to programmers without technical assistance.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 43XX or 30XX, DEC/VAX
OPERATING SYSTEM REQUIRED FOR OPERATION: OS, MVS, VM, VMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: ADABAS

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: NATURAL

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 5 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 10 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: $1,000.00

REFERENCES:
COMPANY: 1) State of Utah
CONTACT: 1) ____________
TELEPHONE: 1) ____________
2) Consumer Product
2) Safety Commission
2) ____________

COMMENTS: None

NAME OF AID: ADABAS PROTOTYPE CREATION ACRONYM: ____

COMPANY: Heuristic Developments
STREET : 7708 Newcastle Drive
CITY/STATE/ZIP: Annandale, VA 22003

REPRESENTATIVE: Daniel A. Nolan
TITLE: President
PHONE: (703) 644-3100

DESCRIPTION:
This software aid establishes an operational prototype model of any file from basic description.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 43XX or 30XX, DEC/VAX
OPERATING SYSTEM REQUIRED FOR OPERATION: OS, MVS, VM, VMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
____ INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: ADABAS

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: NATURAL

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 5 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 10 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: $2,500.00

REFERENCES: COMPANY: 1) State of Utah 2) Consumer Product
CONTACT: 1) ____ 2) Safety Commission
TELEPHONE: 1) ____ 2) ____

COMMENTS: None

NAME OF AID: AUTOMATIC PROTOTYPE FILE GENERATOR
ACRONYM: GENESIS

COMPANY: Heuristic Developments
STREET : 7708 Newcastle Drive
CITY/STATE/ZIP: Annandale, VA 22003

REPRESENTATIVE: Daniel A. Nolan
TITLE: President
PHONE: (703) 644-3100

DESCRIPTION:
GENESIS produces an operational "first cut" file design of a system to be rewritten in a DBMS. The output is ready to be processed by the DBMS compiler.

CONVERSION TOOL:
_ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
_ SIMULATION
X DESIGN
X CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

SOURCE HARDWARE:
TARGET HARDWARE:
SOURCE SOFTWARE: COBOL
TARGET SOFTWARE: ADABAS/NATURAL

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 43XX or 30XX, DEC/VAX
OPERATING SYSTEM REQUIRED FOR OPERATION: OS, MVS, VM, VMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: ADABAS

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: NATURAL

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 5 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 10 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: $1,200.00

REFERENCES: COMPANY: 1) State of Utah 2) Consumer Product
CONTACT: 1) ____________ 2) Safety Commission
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: None

NAME OF AID: EZ-BATCH

ACRONYM: ____

COMPANY: Heuristic Developments
STREET : 7708 Newcastle Drive
CITY/STATE/ZIP: Annandale, VA 22003

REPRESENTATIVE: Daniel A. Nolan
TITLE: President
PHONE: (703) 644-3100

DESCRIPTION:
EZ-BATCH permits online programs to submit batch jobs under end-user control. In application, it eliminates the need for separate batch protocol.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
X OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 43XX or 30XX, DEC/VAX
OPERATING SYSTEM REQUIRED FOR OPERATION: OS, MVS, VM, VMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
__X__ OTHER; SPECIFY: ADABAS

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: NATURAL

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 5 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 10 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: $5,000.00

REFERENCES: COMPANY: 1) State of Utah 2) Consumer Product
CONTACT: 1) ____ 2) Safety Commission
TELEPHONE: 1) ____ 2) ____

COMMENTS: None

NAME OF AID: ONLINE DOCUMENTATION

ACRONYM: SMART

COMPANY: Heuristic Developments

STREET : 7708 Newcastle Drive

CITY/STATE/ZIP: Annandale, VA 22003

REPRESENTATIVE: Daniel A. Nolan

TITLE: President

PHONE: (703) 644-3100

DESCRIPTION:
With SMART, developers document systems from the standpoint of instructions and operations. Technical personnel can review procedures online, and management statistics are returned on the use of assistance and results of training.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
X OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 30XX or 43XX, DEC/VAX

OPERATING SYSTEM REQUIRED FOR OPERATION: OS, MVS, VM, VMS

COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: ADABAS

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: NATURAL

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 5 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 10 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: $7,500.00

REFERENCES:		
COMPANY:	1) State of Utah	2) Consumer Product
CONTACT:	1)	2) Safety Commission
TELEPHONE:	1)	2)

COMMENTS: None

NAME OF AID: SMART-AUTHOR
ACRONYM:

COMPANY: Heuristic Developments
STREET : 7708 Newcastle Drive
CITY/STATE/ZIP: Annandale, VA 22003

REPRESENTATIVE: Daniel A. Nolan
TITLE: President
PHONE: (703) 644-3100

DESCRIPTION:
Using SMART-AUTHOR, systems designers create an online model of system processes and flows. Logic is tested. Paths are diagrammed and statistics returned.

CATEGORY:
☐ SIMULATION
☒ DESIGN
☐ CODE GENERATION
☐ TESTING
☐ MAINTENANCE
☒ DOCUMENTATION
☐ OPERATION
☐ PERFORMANCE MEASURE
☐ SUPPLEMENTAL SUPPORT
☒ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 43XX or 30XX, DEC/VAX
OPERATING SYSTEM REQUIRED FOR OPERATION: OS, MVS, VM, VMS
COMPUTER: ☒ MAINFRAME ☐ MINI ☐ MICRO

RESOURCES REQUIRED:
☐ INTERNAL STORAGE (BYTES)
☐ EXTERNAL STORAGE (BYTES)
☒ OTHER; SPECIFY: ADABAS

LANGUAGE(S) OF AID:
☐ COBOL
☐ FORTRAN
☐ PL/1
☐ BASIC
☐ ASSEMBLER
☒ OTHER; SPECIFY: NATURAL

DOCUMENTATION:
☒ TECHNICAL PAPER
☐ MAINTENANCE MANUAL
☐ SPECIFICATION (DEV/PLAN)
☒ USER MANUAL
☐ TEST/PLAN PROCEDURE
☐ FULL DOCUMENTATION

ACCESSIBILITY:
☐ PUBLIC DOMAIN
☒ IN USE FOR 5 YEARS
☒ DEMONSTRATIONS
☒ PRIVATE DOMAIN
☒ IN USE BY 10 FIRMS
☒ TRAINING

PRICE: ☐ MONTHLY LEASE:
☒ PURCHASE PRICE: $7,500.00

REFERENCES: COMPANY: 1) State of Utah
2) Consumer Product
CONTACT: 1)
2) Safety Commission
TELEPHONE: 1)
2)

COMMENTS: None

NAME OF AID: USE.IT (IBM) ACRONYM: __________

COMPANY: Higher Order Software
STREET : 2067 Massachusetts Avenue
CITY/STATE/ZIP: Cambridge, MA 02140

REPRESENTATIVE: Ralph Specht
TITLE: Director, Product Planning
PHONE: (617) 661-8900

DESCRIPTION:
USE.IT automates the requirements and design process which aids in software design and maintenance.

CATEGORY:
_ SIMULATION
X DESIGN
X CODE GENERATION
X TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 3500K INTERNAL STORAGE (BYTES)
2800K EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______________

LANGUAGE(S) OF AID: X COBOL _ FORTRAN _ PL/1 _ BASIC _ ASSEMBLER X OTHER; SPECIFY: C

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ___________ X PURCHASE PRICE: $95,000.00

REFERENCES: COMPANY: 1) ______________ 2) ______________
CONTACT: 1) ______________ 2) ______________
TELEPHONE: 1) ______________ 2) ______________

COMMENTS: None

NAME OF AID: USE.IT (VAX) ACRONYM: ____

COMPANY: Higher Order Software REPRESENTATIVE: Ralph Specht
STREET : 2067 Massachusetts Avenue TITLE: Director, Product Planning
CITY/STATE/ZIP: Cambridge, MA 02140 PHONE: (617) 661-8900

DESCRIPTION:
USE/IT automates the requirements and design process which aids in software design and maintenance.

CATEGORY:
_ SIMULATION
X DESIGN
X CODE GENERATION
X TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC VAX
OPERATING SYSTEM REQUIRED FOR OPERATION: VMS
COMPUTER: _ MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED:
____ INTERNAL STORAGE (BYTES)
6375K EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID:
X COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: C, Pascal

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 100 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: $92,000.00

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: None

NAME OF AID: Automatic Data Retrieval and Reporting System
ACRONYM: AUDITEC

COMPANY: Honeywell, Inc.
STREET : 7900 Westpark Drive
CITY/STATE/ZIP: McLean, VA 22102

REPRESENTATIVE: Francis R. Bordelon
TITLE: Product Manager
PHONE: (703) 827-1204

DESCRIPTION:
The AUDITEC command language comprises a set of English commands designed to meet both audit and general retrieval needs, using data bases or files at the user's installation as input.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
X TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: HIS L66, DPS8, DPS88, DPS90
OPERATING SYSTEM REQUIRED FOR OPERATION: GCOS8
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ______
X PURCHASE PRICE: GSA schedule

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

AUDITEC is data-dictionary based and features a free-form language. When an input-file definition changes, the generated COBOL program typically needs only to be recompiled to synchronize the application with the latest data-dictionary definitions. To revise a program, the user edits the stored AUDITEC code (using the same commands available during the initial generation) and regenerates the program.

Information retrieval capabilities and audit functionality are made available through AUDITEC's easy-to-use language and its automatic features. Among the many features of AUDITEC are:

- an English-based command language, consisting of commonly used computing and auditing terms;
- unlimited user-defined remarks allow detailed comments;
- coding requirements can be reduced over the higher-level languages, report writers, and audit software;
- a comprehensive data dictionary designed specifically for information retrieval;
- a program-generator architecture that offers the functionality of a higher-level language (AUDITEC command language) for both one-time and production reporting requirements;
- validatiion of numeric data, conversion and comparison of date fields, and single command report generation for statistical data sampling, data stratification, cross-tabulation, aging, and graph making; and
- structured procedural code in a top-down, block structure that is easy to code, follow, and maintain.

The characteristics of the AUDITEC system include: unlimited input, sequential and random access, file processing, unlimited output reports, sorted reports, report independence, parallel report processing, standard or special forms output

AUDITEC can help optimize productivity with these features: syntax checking, error trapping, system messages report, file activity summary, report activity summary, path analysis report.

AUDITEC may be ordered under Marketing Identifier SVP8021.

NAME OF AID: COBOL-74 ACRONYM: COBOL-74

COMPANY: Honeywell, Inc. REPRESENTATIVE: Francis R. Bordelon
STREET : 7900 Westpark Drive TITLE: Product Manager
CITY/STATE/ZIP: McLean, VA 22102 PHONE: (703) 827-1204

DESCRIPTION:
Honeywell's COBOL-74 compiler is designed for fast online information processing to help meet the demand of business and industry for increased system productivity.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: HIS L66, DPS8, DPS88, DPS90
OPERATING SYSTEM REQUIRED FOR OPERATION: GCOS3/GCOS8
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: GSA schedule

REFERENCES: COMPANY: 1) ____________ 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

The COBOL-74's compiler's standard COBOL language capabilities conform in language element reporesentation, symbology, and coding format to American National Standard specification X3.23-1974.

Some of the features of this compiler include:

- User-Selected Configuration: The compiler operates in an equipment configuration selected by the user to suit particular needs. The user can specify an all-disk environment, or mix disk, cards, and tape at compile time. The user can select disk, tape, or card devices for use in program execution.
- Compilation from Mixed Inputs: Compilation can be performed using disk work files from mixed peripheral input. Source program input can be integrated from the job input stream - on cards, tape, or disk - and from the disk source unit library, the disk copy library of COBOL text, and other user disk libraries that contain portions of other source programs, including the I-D-S/II Subschema files.
- Complete Diagnostics: The compiler produces a complete source program listing with optional diagnostic messages, data map, and cross-reference listings.
- Linking of Programs and Routines: Object code compilation units are produced on disk, ready for linking - connecting separately coded routines - and execution with data. This capability permits the division of large tasks into smaller protions that can be programmed in COBOL or other high-level languages, debugged separately, and linked for execution.
- Communication Processing: The compiler facilitates fast, direct processing of messages from terminals and maintenance of communications between the information system and local or remote terminals.

OPTIONAL FEATURES

- COBOL-74 Relational Query (RQ) Option: This facility operates in a batch or time sharing environment. It interfaces with the GCOS8 Relational Access Manager to provide COBOL-74 programs with relational views of existing DM-IV data bases and UFAS sequential or indexed files. A programmer uses the simple syntax of RQ to embed queries in programs. These commands often can replace entire Data Manipulation Language procedures. With this facility, programmers can make use of the relational view of existing data without having to restructure records or make changes to existing programs.
- COBOL-74 Debug Support Option: The COBOL-74 Debug Support Option, in conjunction with the Debug Support System (DSS), serves as a valuable tool in helping to reduce application development time and ensure program integrity. Functioning in both the interactive time sharing mode and the non-interactive batch mode, DSS and the COBOL-74 Debug Support Option work together to perform COBOL source-level (symbolic) debug processing. In the time sharing mode, a user initiates and controls the execution of debug processing from a terminal keyboard. Debug processing can be requested by preparing a set of statements in a simple command language.

NAME OF AID: Computer Graphics
ACRONYM: ______

COMPANY: Honeywell, Inc.
STREET : 7900 Westpark Drive
CITY/STATE/ZIP: McLean, VA 22102

REPRESENTATIVE: Francis R. Bordelon
TITLE: Product Manager
PHONE: (703) 827-1204

DESCRIPTION:
The Honeywell Computer Graphics Environment software is a set of computer graphics generation tools that address the needs of both business and scientific/engineering users. This product set is designed to help simplify the creation of color graphics and other special illustrative effects.

CATEGORY:
☐ SIMULATION
☐ DESIGN
☐ CODE GENERATION
☐ TESTING
☐ MAINTENANCE
☐ DOCUMENTATION
☐ OPERATION
☐ PERFORMANCE MEASURE
☒ SUPPLEMENTAL SUPPORT
☐ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: HIS L66, DPS8, DPS88, DPS90
OPERATING SYSTEM REQUIRED FOR OPERATION: GCOS8
COMPUTER: ☒ MAINFRAME ☐ MINI ☐ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
☐ COBOL
☐ FORTRAN
☐ PL/1
☐ BASIC
☐ ASSEMBLER
☐ OTHER; SPECIFY: ______

DOCUMENTATION:
☐ TECHNICAL PAPER
☐ MAINTENANCE MANUAL
☐ SPECIFICATION (DEV/PLAN)
☐ USER MANUAL
☐ TEST/PLAN PROCEDURE
☒ FULL DOCUMENTATION

ACCESSIBILITY:
☐ PUBLIC DOMAIN
☐ IN USE FOR ___ YEARS
☐ DEMONSTRATIONS
☒ PRIVATE DOMAIN
☐ IN USE BY ____ FIRMS
☒ TRAINING

PRICE: ☐ MONTHLY LEASE: ______ ☒ PURCHASE PRICE: GSA schedule

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

The product set includes a generalized basic graphics package and two optional packages for more specialized needs:

BUSINESS-GRAF (tm) Graphics - Package capabilities include a picture library and editor, and a data presentation subsystem for applications not requiring a segmented graphpics data structure.

GRAFMASTER Option - An interactive graphics generation capability for definition of line graphs, bar graphs, pie charts, scattergrams, and text charts. GRAFMASTER is a registered trademark of Precision Visuals, Inc.

Scientific/Engineering (S/E) option - A specialized graphics subsystem that can produce gridded or random three-dimensional data, retained segmentation, and 3D modeling transformation.

NAME OF AID: Performance Analysis Reporting System

ACRONYM: PARS

COMPANY: Honeywell, Inc.
STREET : 7900 Westpark Drive
CITY/STATE/ZIP: McLean, VA 22102

REPRESENTATIVE: Francis R. Bordelon
TITLE: Product Manager
PHONE: (703) 827-1204

DESCRIPTION:
PARS is a system optimization tool that provides data collection, data reduction and report generation capabilities. It provides users with the capability to monitor, record and analyze the usage of system resources.

CATEGORY:
☐ SIMULATION
☐ DESIGN
☐ CODE GENERATION
☐ TESTING
☐ MAINTENANCE
☐ DOCUMENTATION
☒ OPERATION
☒ PERFORMANCE MEASURE
☐ SUPPLEMENTAL SUPPORT
☐ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: HIS L66, DPS8, DPS88, DPS90
OPERATING SYSTEM REQUIRED FOR OPERATION: GCOS3/GCOS8
COMPUTER: ☒ MAINFRAME ☐ MINI ☐ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
☐ COBOL
☐ FORTRAN
☐ PL/1
☐ BASIC
☐ ASSEMBLER
☐ OTHER; SPECIFY: ____________

DOCUMENTATION:
☐ TECHNICAL PAPER
☐ MAINTENANCE MANUAL
☐ SPECIFICATION (DEV/PLAN)
☒ USER MANUAL
☐ TEST/PLAN PROCEDURE
☐ FULL DOCUMENTATION

ACCESSIBILITY:
☐ PUBLIC DOMAIN
☐ IN USE FOR ___ YEARS
☐ DEMONSTRATIONS
☒ PRIVATE DOMAIN
☐ IN USE BY ___ FIRMS
☐ TRAINING

PRICE: ☒ MONTHLY LEASE: GSA schedule ☐ PURCHASE PRICE: ____________

REFERENCES: COMPANY: 1) ____________ 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

PARS represents a means for monitoring both hardware utilization and job flow. Collected data is available to the system administrator or operations management in the form of bar-graph charts for twenty-six different system activities for the following periods: hourly interval reports on a weekly basis; daily interval reports on a monthly basis; weekly interval reports on a year-to-date basis. The collected data produced by PARS allows a user to monitor system utilization, identify trends, detect potential system saturation points, and take appropriate steps to improve operations efficiency.

PARS aids in the planning or analysis of computer operations. It enables management to: collect basic data for an overall analysis of system operations and resource usage; plan system operation to better utilize system resources by scheduling workloads that relieve peak periods and take advantage of slack periods; identify specific resource problems and their causes; detect when heavy usage of a specific resource may be impacting system operation; determine whether the problem can be corrected by load-balancing across certain resources, rescheduling certain types of jobs, reconfiguring hardware resources, or adding needed resources; develop an historical record to indicate trends in the increasing or declining use or specific resources.

The modular design of PARS permits its use with minimal system overhead. Only one of the PARS programs (System Monitor) is used on a continuous basis to collect and record data.

User-controlled program parameters allow the matching of individual site requirements. A user can pick specific dates for which reports are to be produced and specify which of the available bar graph plots are designed.

The primary output of PARS is bar graphs that provide an easy-to-read pictorial comparison of resources used over 24 hours for a weekly, monthly, or year-to-date basis.

NAME OF AID: Personal Computing Facility

ACRONYM: PCF

COMPANY: Honeywell, Inc.

STREET : 7900 Westpark Drive

CITY/STATE/ZIP: McLean, VA 22102

REPRESENTATIVE: Francis R. Bordelon

TITLE: Product Manager

PHONE: (703) 827-1204

DESCRIPTION:

PCF is a screen-oriented interactive system that provides a user-friendly application environment. It can be used to create any type of Visual Display Unit or CRT form as a basis for interactive problem solving.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: HIS L66, DPS8, DPS88, DPS90

OPERATING SYSTEM REQUIRED FOR OPERATION: GCOS3/GCOS8

COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: 4th Gen. Lang.

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: __________ X PURCHASE PRICE: GSA schedule

REFERENCES: COMPANY: 1) ____________ 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

With PCF, a user can solve a wide range of problems without a knowledge of conventional computer programming.

NAME OF AID: SOFTOOL

ACRONYM: SOFTOOL

COMPANY: Honeywell, Inc.

STREET : 7900 Westpark Drive

CITY/STATE/ZIP: McLean, VA 22102

REPRESENTATIVE: Francis R. Bordelon

TITLE: Product Manager

PHONE: (703) 827-8388

DESCRIPTION:
SOFTOOL is an integrated set of software tools designed for cost-effective management, development, and maintenance of application software. It permits management to set, facilitate, and enforce methodology and to obtain visibility and control over software efforts, and allows the software developer to concentrate effectively on the software construction process.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: HIS L66, DPS8, DPS88, DPS90
OPERATING SYSTEM REQUIRED FOR OPERATION: GCOS8
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: TSS, FORTRAN, communications system

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: GSA schedule

REFERENCES: COMPANY: 1) ____________ 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

SOFTOOL is a trademark of SOFTOOL Corp. of Goleta, CA.

The SOFTOOL Product Set is offered to users in three distinct packages: COBOL-74 Programming Environment, Change and Configuration Control (CCC), and Complete Environment (includes COBOL-74 and CCC environments).

The COBOL-74 Programming Environment consists of the following set of component tools:

- Tracing Instrumenters: automatically document the program flow of control
- Testing Instrumenters: generate test coverage profiles
- Optimization Instrumenters: quantify program module execution times. This tool allows the user to quickly identify execution bottlenecks in programs.
- Interface Documenter: accepts as input a series of object modules and automatically generates all interface information between the modules -- interface cross reference, unresolved references, unreferenced symbols, module summary, recursion, and explosion/implosion
- Documenter A: aids and expedites the methodical and uniform documentation of source programs, supporting a "template" predefined by the user
- Library of Preprocessors: an open-ended collection of user-written preprocessors (using the Structurizer)
- Interactive Tutorials: tutorials organized in a hierarchical fashion, which allow users to select the degree of details to be covered.

CCC is an integrated software product with information organized as a hierarchy of data structures, with the data base at the highest level.

NAME OF AID: Solution Center Menu System
ACRONYM: MENU

COMPANY: Honeywell, Inc.
STREET : 7900 Westpark Drive
CITY/STATE/ZIP: McLean, VA 22102

REPRESENTATIVE: Francis R. Bordelon
TITLE: Product Manager
PHONE: (703) 827-1204

DESCRIPTION:
Honeywell's Solution Center offerings provide tools to access company information stored in data bases and the tools to manipulate and model that information.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: HIS L66, DPS8, DPS88, DPS90
OPERATING SYSTEM REQUIRED FOR OPERATION: GCOS8
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_X_ OTHER; SPECIFY: TSS

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: __________ X PURCHASE PRICE: GSA schedule

REFERENCES: COMPANY: 1) ____________________ 2) ____________________
CONTACT: 1) ____________________ 2) ____________________
TELEPHONE: 1) ____________________ 2) ____________________

COMMENTS: See next page.

COMMENTS:

The Menu System is site-modifiable to customize menu screens to meet site requirements or to add new product functionality (user-developed or acquired) as required.

A hierarchy of menu screens displays user selection options, and the user's selections are translated into the necessary system commands required by the various underlying products and by the Time Sharing System. The Solution Center Menu System provides access both to Solution Center products and to corporate data bases, and allows the end user to pass information between products in a manner that is nearly transparent to the user. Help facilities are available at all levels of the menus.

The Solution Center Menu System software may be ordered using Marketing Identifier SVU8027. The Menu System may be purchased separately or in combination with other separately priced Solution Center products.

NAME OF AID: System Utility 8 ACRONYM: UTL8

COMPANY: Honeywell, Inc. REPRESENTATIVE: Francis R. Bordelon
STREET : 7900 Westpark Drive TITLE: Product Manager
CITY/STATE/ZIP: McLean, VA 22102 PHONE: (703) 827-1204

DESCRIPTION:
UTL8 is a programmer's productivity tool that can be used to write data-selection programs, data-correction programs, simple listing programs, or programs that simply reformat data. UTL8 is a COBOL-like language that offers the ease-of-use of conventional utilities, combined with much of the power and flexibility of a high-level programming language.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: HIS L66, DPS8, DPS88, DPS90
OPERATING SYSTEM REQUIRED FOR OPERATION: GCOS8
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
__X__ OTHER; SPECIFY: Extended Instruction Set

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: GSA schedule

REFERENCES: COMPANY: 1) ____________ 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

Among the many useful features of UTL8 are: ability to handle GFRC, UFF, IBM, and ANSI file formats; automatic file format recognition; data content addressing by character position or COBOL dataname; handling of most COMP formats; data selection, rejection, or conditional use by position in file, data contents or a combination of the two; data correction, expansion, rearrangement, addition, and deletion; file extention, concatenation, comparison, and conversion to different formats; selective dump, print, copy, and reformat of data; and disk in-place processing capabilities.

UTL8 may be ordered using Marketing Identifier SVU8026; UTL8 is also available as part of the Comprehensive System Utilities Facility, Marketing Identifier SVU8025.

NAME OF AID: SYSTEM-80 Automatic COBOL Program Generator

ACRONYM: SYSTEM-80

COMPANY: Honeywell, Inc.
STREET : 7900 Westpark Drive
CITY/STATE/ZIP: McLean, VA 22102

REPRESENTATIVE: Francis R. Bordelon
TITLE: Product Manager
PHONE: (703) 827-1204

DESCRIPTION:
This is an automated COBOL programming system used to acquire information about files, fields, validations and edits, screen formats, etc. It then "generates" COBOL programs that perform in accordance with established structure and criteria.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: HIS L66, DPS8, DPS88, DPS90
OPERATING SYSTEM REQUIRED FOR OPERATION: GCOS8
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ______ X PURCHASE PRICE: GSA schedule

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

SYSTEM-80 is a trademark of Phoenix Systems, Inc., Sewickley, PA.

NAME OF AID: TEXTO
ACRONYM: ____

COMPANY: Honeywell, Inc.
STREET : 7900 Westpark Drive
CITY/STATE/ZIP: McLean, VA 22102
REPRESENTATIVE: Francis R. Bordelon
TITLE: Product Manager
PHONE: (703) 827-1204

DESCRIPTION:
TEXTO is a freestanding, document management system for the organization, storage and retrieval of textual material. It is designed to handle a large number of user-defined data files. Listings and catalogs may be stored and retrieved more conveniently and quickly than with conventional word processing or text editing systems.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: HIS L66, DPS8, DPS88, DPS90
OPERATING SYSTEM REQUIRED FOR OPERATION: GCOS3/GCOS8
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
____ INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ___ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: GSA schedule

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

The TEXTO document management system includes the following features:

- Information availability - any type of textual material can be recorded, stored and retrieved quickly.
- Document File Creation and Addition - any user may create, update or merge document files.
- Information Retrieval - data can be retrieved by keyword, document identifier or indices. All Boolean algebra operators can be used for data comparisons.
- Ease of Usage - this system is accessible to nontechnical personnel (i.e., executives, secretaries and clerks).
- Security - authorization of access to data can be set at any level.
- LOGOTEL - an optional programming language that can be used to expand the usage of TEXTO.

NAME OF AID: Transaction Application Test System

ACRONYM: TATS

COMPANY: Honeywell, Inc.
STREET : 7900 Westpark Drive
CITY/STATE/ZIP: McLean, VA 22102

REPRESENTATIVE: Francis R. Bordelon
TITLE: Product Manager
PHONE: (703) 827-1204

DESCRIPTION:
TATS is a time sharing, software tool for interactively writing, compiling, testing, and debugging transaction processing routines (TPSs) using the Data Management-IV (DM-IV) Integrated Data Store/II (I-D-S/II) data base.

CATEGORY:
X SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: HIS L66, DPS8, DPS88, DPS90
OPERATING SYSTEM REQUIRED FOR OPERATION: GCOS8
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: GSA schedule

REFERENCES: COMPANY: 1) ____________ 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

Designed to help increase the productivity of both experienced and novice programmers, TATS allows users to develop and test application procedures outside the transaction processing (TP) environment. Programmers may create, test, and debug TPRs at locations other the central computer site.

As an interactive component of Honeywell's Time Sharing System (TSS), the Transaction Application Test System includes:

- a transaction processing environment simulator that enables TPRs to be tested in the time sharing environment;
- a TPR program skeleton generator (template/structure) that aids in the development of TPRs by offering standardized transaction processing and forms definitions;
- a collection of TSS commands for invoking the COBOL-74 compiler, the object program library editor (OBJLIB), the TP LIBRARIAN, and the GMAP macro assembler;
- a TSS command that provides selectable COBOL-74 program listings, helping minimize a dependency on hardcopy information;
- a TSS command that interprets abort, exception, and status codes relative to TP application development, helping reduce a dependency on technical manuals; and
- an online, menu-driven service that provides the user with both tutorial documentation and functional information.

In addition, the following software options may be used with TATS:

- the Debug Support System (DSS), which provides interactive symbolic debugging of TPRs in the time sharing environment; and
- the Time Sharing System Interactive I-D-S/II facility, which permits data base update verification.

The Transaction Application Test System (TATS) may be ordered under the Market Identifier SVP8013.

NAME OF AID: Transaction Reporting System
ACRONYM: TRS

COMPANY: Honeywell, Inc.
STREET : 7900 Westpark Drive
CITY/STATE/ZIP: McLean, VA 22102

REPRESENTATIVE: Francis R. Bordelon
TITLE: Product Manager
PHONE: (703) 827-1204

DESCRIPTION:
TRS is designed to help users enhance the transaction processing (TP) performance of Honeywell large information systems operating under control of the GCOS8 operating software. TRS can provide the type and quality of information necessary to analyze and make decisions regarding the efficient operation of transaction processing.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
X OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: HIS L66, DPS8, DPS88, DPS90
OPERATING SYSTEM REQUIRED FOR OPERATION: GCOS8
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: _____

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: _____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: _____ X PURCHASE PRICE: GSA schedule

REFERENCES: COMPANY: 1) _____ 2) _____
CONTACT: 1) _____ 2) _____
TELEPHONE: 1) _____ 2) _____

COMMENTS: See next page.

COMMENTS:

TRS offers a set of management tools with these capabilities:

- Transactions executing under the Transaction Driven System (TDS) or Data Management-IV Transaction Processor (DM-IV/TP) can be examined;
- With the reports produced by TRS, the transaction processing workload by any combination of terminals and transaction types can be observed;
- Usage and performance of transaction processing by different organizations and applications can be described easily and quickly via the TRS reports;
- Journal data from transaction processing activities is reduced and analyzed by TRS;
- Journal data from TP activities can be saved historically and included in monthly and year-to-date reports to reflect performance and service of transaction processing with regard to past, present, and future trends and projections;
- TRS maintains a summary level transaction file, which is edited and available for a user's accounting and charge-back reporting; and
- TRS helps a user establish a transaction processing performance baseline, and track performance and trends with a minimum of effort and overhead.

NAME OF AID: Transaction Screen Management System
ACRONYM: TSM

COMPANY: Honeywell, Inc.
STREET : 7900 Westpark Drive
CITY/STATE/ZIP: McLean, VA 22102

REPRESENTATIVE: Francis R. Bordelon
TITLE: Product Manager
PHONE: (703) 827-1204

DESCRIPTION:
The Transaction Screen Management (TSM) system is an easy-to-use interactive facility for development of screen formats for use in a transaction processing system.

CATEGORY:
X SIMULATION
X DESIGN
X CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: HIS L66, DPS8, DPS88, DPS90
OPERATING SYSTEM REQUIRED FOR OPERATION: GCOS3/GCOS8
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ______ X PURCHASE PRICE: GSA schedule

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

The TSM system is composed of a set of software tools designed to enhance the development of application programs within a Data Management-IV (DM-IV) Transaction Processing environment. With TSM, developers are able to design, test, and implement transaction forms with minimum knowledge of the communication network or the DM-IV/TP operating environment.

As an interactive support facility for Honeywell's DM-IV Transaction Processing operation, the Transaction Screen Management system offers the following features:

- Enhanced Security
- Menu-driven
- Standardized Screen Format
- Multilingual Processing
- Comprehensive Screen Painter
- Electronic Mail Facility
- Broadcast Message Facility
- Data Entry Facility
- Online Abort Processor
- Comprehensive editing capabilities
- Terminal-type independent forms and TPRs
- Online Documentation Facility
- Function Key Control
- Full complement of administrative utilities

The Transaction Screen Manager (TSM) may be ordered for use with GCOS under the Marketing Identifier SEP6210, and for use with GCOS8 under the Marketing Identifier SVP8017.

NAME OF AID: Visual Information Display for Efficient Operation
ACRONYM: VIDEO

COMPANY: Honeywell, Inc.
STREET : 7900 Westpark Drive
CITY/STATE/ZIP: McLean, VA 22102
REPRESENTATIVE: Francis R. Bordelon
TITLE: Product Manager
PHONE: (703) 827-1204

DESCRIPTION:
VIDEO is a utility program designed to enable the user to monitor and analyze system load and performance.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
X OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: HIS L66, DPS8, DPS88, DPS90
OPERATING SYSTEM REQUIRED FOR OPERATION: GCOS3/GCOS8
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: CRT (VIP series or console)

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ______ X PURCHASE PRICE: GSA schedule

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

VIDEO displays system status information on a console screen and/or VIP series terminal. This program helps to enhance system performance by allowing users to monitor, record, and analyze the usage of the system, and to adjust operations accordingly. VIDEO is an effective tool to aid in the control of computer operations.

VIDEO provides useful system status information to help enable the system administrator to analyze system usage and determine ways in which the system may be utilized more efficiently. The features of VIDEO enable the system administrator to: match job input to current system capabilities; organize staff workload to balance usage of system resources; plan system operation to better utilize system resources; aid in scheduling workloads to relieve peak periods and take advantage of slack periods; detect when heavy usage of a specific resource may be impacting system operation; help determine whether a usage problem may be corrected by load balancing across certain resources, rescheduling certain types of jobs, reconfiguring hardware resources, or adding needed resources; collect basic data for an overall analysis of system operations and resource usage; accumulate data to indicate trends in use of specific resources.

NAME OF AID: Code Coverage Analyzer ACRONYM: CCA

COMPANY: HRB-Singer, Inc. REPRESENTATIVE: Dr. David L. Hall
STREET : Science Park Road TITLE: Software Techniques Manager
CITY/STATE/ZIP: State College, PA 16804 PHONE: (814) 238-4311

DESCRIPTION:
CCA provides a summary of statement coverage during software testing. It can be utilized to verify that all segments of software have been exercised.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: VAX 11/7XX
OPERATING SYSTEM REQUIRED FOR OPERATION: VMS
COMPUTER: _ MAINFRAME X MINI X MICRO

RESOURCES REQUIRED: 20K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
X MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 3 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: upon request X PURCHASE PRICE: upon request

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: None

NAME OF AID: Integrated S/W Design Tool ACRONYM: ISDT

COMPANY: HRB-Singer, Inc.
STREET : Science Park Road
CITY/STATE/ZIP: State College, PA 16804

REPRESENTATIVE: Dr. David L. Hall
TITLE: S/W Techniques Manager
PHONE: (814) 238-4311 ext. 2487

DESCRIPTION:
ISDT is an integrated design tool for the design of large scale time constrained software systems.

CATEGORY:
_ SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
_ OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: VAX 11/7XX
OPERATING SYSTEM REQUIRED FOR OPERATION: VMS
COMPUTER: _ MAINFRAME X MINI X MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: set by ORACLE DBMS

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____________

DOCUMENTATION:
X TECHNICAL PAPER
X MAINTENANCE MANUAL
X SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 2 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: upon request X PURCHASE PRICE: upon request

REFERENCES: COMPANY: 1) available upon request 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

Functions include requirements traceability analysis, software architecture design (hierarchy and flow) and system performance analysis. Features include graphical input of design data and a relational design data base.

This tool is aimed at the early phases of software development from requirements analysis through detailed design. It has been used to design over fifteen large-scale software systems at HRB-Singer, Inc. The tool was developed under a multi-year independent research and development project. It is intended to fill the gap between functional definition tools and detailed program design language (PDL).

NAME OF AID: ICC/COS ACRONYM: ____

COMPANY: ICC
STREET : 3195 Linwood Avenue
CITY/STATE/ZIP: Cincinnati, OH 45208

REPRESENTATIVE: Larry Hollst
TITLE: Senior Accounts Manager
PHONE: (513) 321-3199

DESCRIPTION:
This product provides data base extraction/micro downloading for the Sperry 1100 series mainframes.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: Sperry 1100
OPERATING SYSTEM REQUIRED FOR OPERATION. ____
COMPUTER: X MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $900.00 X PURCHASE PRICE: $33,000.00+

REFERENCES:
COMPANY: 1) Disneyworld 2) Nike
CONTACT: 1) Ton Donahue 2) John Wood
TELEPHONE: 1) (305) 828-2693 2) (503) 641-6453

COMMENTS: See next page.

COMMENTS:

Purchase price does not include downloading.

NAME OF AID: ICC/HONEYMATE 73/78 ACRONYM: ____

COMPANY: ICC REPRESENTATIVE: L.D. Duckworth
STREET : 3195 Linwood Avenue TITLE: President
CITY/STATE/ZIP: Cincinnati, OH 45208 PHONE: (513) 321-3197

DESCRIPTION:
This product provides asynchronous terminal emulation for Honeywell VIP 7200, 7201, 7205, 7301, 7303, 7801, 7802, 7803, 7809, 7813 and 7814(A) terminals.

CONVERSION TOOL: _ TRANSLATOR
_ CONVERSION AID
X EMULATOR
_ SIMULATOR

SOURCE HARDWARE: ____
TARGET HARDWARE: ____
SOURCE SOFTWARE: ____
TARGET SOFTWARE: ____

HARDWARE/MODEL REQUIRED FOR OPERATION: Honeywell
OPERATING SYSTEM REQUIRED FOR OPERATION: ____
COMPUTER: X MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: ____ INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: RAM; diskette

LANGUAGE(S) OF AID: X COBOL _ PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ____

DOCUMENTATION: _ TECHNICAL PAPER X USER MANUAL
_ MAINTENANCE MANUAL X TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) X FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN _ PRIVATE DOMAIN
_ IN USE FOR ___ YEARS _ IN USE BY ____ FIRMS
_ DEMONSTRATIONS _ TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: $395.00

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: None

NAME OF AID: ICC/HONEYMATE FTF
ACRONYM: ___

COMPANY: ICC
STREET : 3195 Linwood Avenue
CITY/STATE/ZIP: Cincinnati, OH 45208
REPRESENTATIVE: L.D. Duckworth
TITLE: President
PHONE: (513) 321-3199

DESCRIPTION:
This product provides synchronous advanced file transfers from Honeywell mainframes to numerous micro-computers.

CONVERSION TOOL:
☐ TRANSLATOR
☐ CONVERSION AID
☒ EMULATOR
☐ SIMULATOR

SOURCE HARDWARE: ___
TARGET HARDWARE: ___
SOURCE SOFTWARE: ___
TARGET SOFTWARE: ___

HARDWARE/MODEL REQUIRED FOR OPERATION: Honeywell
OPERATING SYSTEM REQUIRED FOR OPERATION: ___
COMPUTER: ☒ MAINFRAME ☐ MINI ☒ MICRO

RESOURCES REQUIRED:
___ INTERNAL STORAGE (BYTES)
___ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: RAM; diskette

LANGUAGE(S) OF AID:
☒ COBOL
☐ FORTRAN
☐ PL/1
☐ BASIC
☐ ASSEMBLER
☐ OTHER; SPECIFY: ___

DOCUMENTATION:
☐ TECHNICAL PAPER
☐ MAINTENANCE MANUAL
☐ SPECIFICATION (DEV/PLAN)
☒ USER MANUAL
☒ TEST/PLAN PROCEDURE
☒ FULL DOCUMENTATION

ACCESSIBILITY:
☐ PUBLIC DOMAIN
☐ IN USE FOR ___ YEARS
☐ DEMONSTRATIONS
☐ PRIVATE DOMAIN
☐ IN USE BY ___ FIRMS
☐ TRAINING

PRICE:
☐ MONTHLY LEASE: ___
☒ PURCHASE PRICE: $150.00

REFERENCES:
COMPANY: 1) ___ 2) ___
CONTACT: 1) ___ 2) ___
TELEPHONE: 1) ___ 2) ___

COMMENTS: None

NAME OF AID: ICC/Honeywell 77/78 ACRONYM: ____

COMPANY: ICC
STREET : 3195 Linwood Avenue
CITY/STATE/ZIP: Cincinnati, OH 45208

REPRESENTATIVE: L.D. Duckworth
TITLE: President
PHONE: (513) 321-3199

DESCRIPTION:
This product provides synchronous terminal emulation on micro-computers for the Honeywell VIP 7700 and 7804/05/14 synchronous terminals. File transfers are also possible.

CONVERSION TOOL:
_ TRANSLATOR
_ CONVERSION AID
X EMULATOR
_ SIMULATOR

SOURCE HARDWARE: ____
TARGET HARDWARE: ____
SOURCE SOFTWARE: ____
TARGET SOFTWARE: ____

HARDWARE/MODEL REQUIRED FOR OPERATION: Honeywell
OPERATING SYSTEM REQUIRED FOR OPERATION: Honeywell
COMPUTER: X MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: RAM diskette

LANGUAGE(S) OF AID: _ COBOL _ PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ____

DOCUMENTATION: _ TECHNICAL PAPER _ USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) _ FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN _ PRIVATE DOMAIN
_ IN USE FOR ___ YEARS _ IN USE BY ____ FIRMS
_ DEMONSTRATIONS _ TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: $895.00

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

Full emulations and advanced file transfers are possible.

NAME OF AID: ICC/INTERCOM 102 ACRONYM: ______

COMPANY: ICC REPRESENTATIVE: L.D. Duckworth
STREET : 3195 Linwood Avenue TITLE: President
CITY/STATE/ZIP: Cincinnati, OH 45208 PHONE: (513) 321-3199

DESCRIPTION:
This product provides micro emulation of Burroughs terminals.

CONVERSION TOOL:
☐ TRANSLATOR
☐ CONVERSION AID
☒ EMULATOR
☐ SIMULATOR

SOURCE HARDWARE: ______
TARGET HARDWARE: ______
SOURCE SOFTWARE: ______
TARGET SOFTWARE: ______

HARDWARE/MODEL REQUIRED FOR OPERATION: micro, Burroughs
OPERATING SYSTEM REQUIRED FOR OPERATION: BTOS, MS-DOS
COMPUTER: ☒ MAINFRAME ☐ MINI ☒ MICRO

RESOURCES REQUIRED: 192K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID: ☒ COBOL ☐ PL/1 ☒ ASSEMBLER
☐ FORTRAN ☐ BASIC ☐ OTHER; SPECIFY: ______

DOCUMENTATION: ☐ TECHNICAL PAPER ☒ USER MANUAL
☐ MAINTENANCE MANUAL ☒ TEST/PLAN PROCEDURE
☐ SPECIFICATION (DEV/PLAN) ☒ FULL DOCUMENTATION

ACCESSIBILITY: ☐ PUBLIC DOMAIN ☐ PRIVATE DOMAIN
☒ IN USE FOR 2 YEARS ☒ IN USE BY 1000 FIRMS
☐ DEMONSTRATIONS ☐ TRAINING

PRICE: ☐ MONTHLY LEASE: ______ ☒ PURCHASE PRICE: $245.00

REFERENCES: COMPANY: 1) J.L. Shiely 2) Randolph Air Force Base
CONTACT: 1) Vurl Warmuth 2) Frank Fuentes
TELEPHONE: 1) (612) 646-8601 2) ______

COMMENTS: See next page.

COMMENTS:

This product emulates all Burroughs terminals and provides CANDE file transfers.

NAME OF AID: ICC/INTERCOM 300/300B ACRONYM: _____

COMPANY: ICC REPRESENTATIVE: L.D. Duckworth
STREET : 3195 Linwood Avenue TITLE: President
CITY/STATE/ZIP: Cincinnati, OH 45208 PHONE: (513) 321-3199

DESCRIPTION:
This product performs micro/mainframe advanced file transfers for Burroughs environments.

CONVERSION TOOL: _ TRANSLATOR
_ CONVERSION AID
X EMULATOR
_ SIMULATOR

SOURCE HARDWARE: _____
TARGET HARDWARE: _____
SOURCE SOFTWARE: _____
TARGET SOFTWARE: _____

HARDWARE/MODEL REQUIRED FOR OPERATION: Burroughs
OPERATING SYSTEM REQUIRED FOR OPERATION: Burroughs
COMPUTER: X MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: _____

LANGUAGE(S) OF AID: X COBOL _ PL/1 X ASSEMBLER
_ FORTRAN _ BASIC X OTHER; SPECIFY: ALGOL

DOCUMENTATION: _ TECHNICAL PAPER X USER MANUAL
_ MAINTENANCE MANUAL X TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) X FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN _ PRIVATE DOMAIN
X IN USE FOR 2 YEARS X IN USE BY 300 FIRMS
_ DEMONSTRATIONS _ TRAINING

PRICE: _ MONTHLY LEASE: _____ X PURCHASE PRICE: $250-1,900

REFERENCES: COMPANY: 1) J.L. Shiely 2) Randolph Air Force Base
CONTACT: 1) Yurl Warmoth 2) Frank Fuentes
TELEPHONE: 1) (612) 646-8601 2) _____

COMMENTS: See next page.

COMMENTS:

This product performs advanced file transfers. It has many features, including security controls.

NAME OF AID: ICC/INTERCOM 500
ACRONYM: ____

COMPANY: ICC
STREET : 3195 Linwood Avenue
CITY/STATE/ZIP: Cincinnati, OH 45208

REPRESENTATIVE: Larry Hollst
TITLE: Senior Accounts Manager
PHONE: (513) 321-3199

DESCRIPTION:
This product provides terminal emulation (uniscope) for Sperry environments, plus 0533 and MAPPER file transfers. It comes with an INTERCOM 1000 communications card. Many micro-computers are supported.

CONVERSION TOOL:
☐ TRANSLATOR
☐ CONVERSION AID
☒ EMULATOR
☐ SIMULATOR

SOURCE HARDWARE: ____
TARGET HARDWARE: ____
SOURCE SOFTWARE: ____
TARGET SOFTWARE: ____

HARDWARE/MODEL REQUIRED FOR OPERATION: Sperry 1100
OPERATING SYSTEM REQUIRED FOR OPERATION: Sperry System 80
COMPUTER: ☒ MAINFRAME ☒ MINI ☒ MICRO

RESOURCES REQUIRED:
____ INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
☒ OTHER; SPECIFY: micro RAM and disk storage

LANGUAGE(S) OF AID: ☒ COBOL ☐ FORTRAN ☐ PL/1 ☐ BASIC ☐ ASSEMBLER ☐ OTHER; SPECIFY: ____

DOCUMENTATION:
☐ TECHNICAL PAPER
☐ MAINTENANCE MANUAL
☐ SPECIFICATION (DEV/PLAN)
☒ USER MANUAL
☒ TEST/PLAN PROCEDURE
☒ FULL DOCUMENTATION

ACCESSIBILITY:
☐ PUBLIC DOMAIN
☐ IN USE FOR ___ YEARS
☐ DEMONSTRATIONS
☐ PRIVATE DOMAIN
☐ IN USE BY ____ FIRMS
☐ TRAINING

PRICE: ☐ MONTHLY LEASE: ____ ☒ PURCHASE PRICE: $495.00

REFERENCES:

	1)	2)
COMPANY:	City of Missasauga	Randolph Air Force Base
CONTACT:		Frank Fuentes
TELEPHONE:		

COMMENTS: See next page.

COMMENTS:

ICC/INTERCOM 500 provides full uniscope emulations plus file transfers/ reformatting. All Sperry mainframes are supported with 053 and MAPPER file transfers.

NAME OF AID: ICC/INTERCOM 600/600S ACRONYM: ______

COMPANY: ICC REPRESENTATIVE: Larry Hollst
STREET : 3195 Linwood Avenue TITLE: Senior Accounts Manager
CITY/STATE/ZIP: Cincinnati, OH 45208 PHONE: (513) 321-3199

DESCRIPTION:
This product provides advanced file transfers for files in the Sperry mainframe environment.

CONVERSION TOOL:
_ TRANSLATOR
_ CONVERSION AID
X EMULATOR
_ SIMULATOR

SOURCE HARDWARE: ______
TARGET HARDWARE: ______
SOURCE SOFTWARE: ______
TARGET SOFTWARE: ______

HARDWARE/MODEL REQUIRED FOR OPERATION: Sperry
OPERATING SYSTEM REQUIRED FOR OPERATION: ______
COMPUTER: X MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ______ X PURCHASE PRICE: $2,195.00

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

This product provides full file transfer and data reformat.

NAME OF AID: ICC/XTRACT
ACRONYM: ____

COMPANY: ICC
STREET : 3195 Linwood Avenue
CITY/STATE/ZIP: Cincinnati, OH 45208

REPRESENTATIVE: L.D. Duckworth
TITLE: President
PHONE: (513) 321-3199

DESCRIPTION:
This product provides data base extraction/micro downloading for Burroughs small, medium and large A Series mainframes.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: Burroughs
OPERATING SYSTEM REQUIRED FOR OPERATION: ____
COMPUTER: X MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED:
____ INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
X TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: $6-12,000.00

REFERENCES: COMPANY: 1) J.L. Shiely 2) ____
CONTACT: 1) Vurl Warmuth 2) ____
TELEPHONE: 1) (612) 646-8601 2) ____

COMMENTS: See next page.

COMMENTS:

This product provides full data base extraction and automatic formatting for direct use in Lotus, Wordstar, Multiplan, dBASE, etc.

NAME OF AID: InfoPro ACRONYM: INFOPRO

COMPANY: Infometrics, Inc. REPRESENTATIVE: Dr. A.N. Mucciardi
STREET : 512 Ashford Road TITLE: President
CITY/STATE/ZIP: Silver Spring, MD 20910 PHONE: (301) 589-2265

DESCRIPTION:
InfoPro is a very general software package that enables an IBM PC to be used as stand-alone artificial intelligence work station. User modules may be added easily to its "Software Bus".

CATEGORY:
X SIMULATION
X DESIGN
_ CODE GENERATION
X TESTING
_ MAINTENANCE
_ DOCUMENTATION
X OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS 2.0
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: 256K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: 8087 Coprocessor

LANGUAGE(S) OF AID: _ COBOL _ PL/1 _ ASSEMBLER
X FORTRAN _ BASIC _ OTHER; SPECIFY: ____________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 1 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: $1,995.00

REFERENCES: COMPANY: 1) Infometrics, Inc. 2) ____________
CONTACT: 1) A.N. Mucciardi 2) ____________
TELEPHONE: 1) (301) 589-2265 2) ____________

COMMENTS: None

NAME OF AID: SigPro

ACRONYM: SIGPRO

COMPANY: Infometrics, Inc.
STREET : 512 Ashford Road
CITY/STATE/ZIP: Silver Spring, MD 20910

REPRESENTATIVE: Dr. A.N. Mucciardi
TITLE: President
PHONE: (301) 589-2265

DESCRIPTION:
SigPro is a set of five scientific libraries, each consisting of speed-optimized subroutines making maximum use of an 8087 coprocessor.

CATEGORY:
X SIMULATION
X DESIGN
_ CODE GENERATION
X TESTING
_ MAINTENANCE
_ DOCUMENTATION
X OPERATION
X PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS 2.0
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED:
128K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: 8087 Coprocessor

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ____________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 1 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: $295.00

REFERENCES:
COMPANY: 1) Infometrics, Inc. 2) ____________
CONTACT: 1) A.N. Mucciardi 2) ____________
TELEPHONE: 1) (301) 589-2265 2) ____________

COMMENTS: See next page.

COMMENTS:

SigPro is callable from five high-level languages. SigPro is used in signal processing, pattern classification, control, statistical decision theory, linear algebra, and multi-dimensional data analysis.

NAME OF AID: TestPro ACRONYM: TESTPRO

COMPANY: Infometrics, Inc.
STREET : 512 Ashford Road
CITY/STATE/ZIP: Silver Spring, MD 20910

REPRESENTATIVE: Dr. A.N. Mucciardi
TITLE: President
PHONE: (301) 589-2265

DESCRIPTION:
TestPro is a very general software package that enables an IBM PC to perform a wide variety of signal processing and decision analysis functions. User modules may be added easily to its "Software Bus".

CATEGORY:
X SIMULATION
X DESIGN
_ CODE GENERATION
X TESTING
_ MAINTENANCE
_ DOCUMENTATION
X OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS 2.0
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: 256K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: 8087 Coprocesser

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 1 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: $2,995.00

REFERENCES: COMPANY: 1) Infometrics, Inc. 2) ____________
CONTACT: 1) A.N. Mucciardi 2) ____________
TELEPHONE: 1) (301) 589-2265 2) ____________

COMMENTS: None

NAME OF AID: Full Screen Processor ACRONYM: FSP

COMPANY: Information Concepts, Inc. REPRESENTATIVE: Cindy Scharf
STREET : 1331 H Street, N.W. TITLE: Marketing Coordinator
CITY/STATE/ZIP: Washington, D.C. 20005 PHONE: (202) 628-4400

DESCRIPTION:
FSP is a complete full screen processor for UNIX/XENIX systems, used to manage the interaction between application and a terminal user in a full screen mode. FSP is both a programmer and end user productivity tool.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
X TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: any
OPERATING SYSTEM REQUIRED FOR OPERATION: UNIX or XENIX
COMPUTER: _ MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: 250K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: Minimum memory partition = 128K

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: C

DOCUMENTATION:
_ TECHNICAL PAPER
X MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: __________ X PURCHASE PRICE: see comments

REFERENCES: COMPANY: 1) ____________ 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

FSP has three component subsystems: CALLABLE SUBROUTINES - a series of subroutines called from an application program which perform all functions required for full screen processing; FSPMENU - a complete full screen dialog manager which links multiple programs, commands, or FSP panels without programming; FSPENTRY - a facility to create or alter a system file in a user-oriented full screen mode without programming.

FSP not only provides full screen processing, but necessary support functions including initialization, verification, post-input processing, and memory management capabilities.

FSP can be applied to any application which requires substantial I/O or information review. A sample of these applications include: Transaction Input/Processing, Mass Data Entry/Validation, Data Base Query, List Processing, Front-End Menus for Applications and System Functions, Remote Full Screen Applications.

Price List: Single CPU License - $1,500.00. Price per CPU decreases with multiple purchases. The first six months of maintenance for the FSP Product is provided at no charge. For more information, please contact Information Concepts, Inc.

NAME OF AID: Performance Analyst's Workbench System   ACRONYM: PAWS

COMPANY: Information Research Assocs.   REPRESENTATIVE: Doug Neuse
STREET : 911 W. 29th Street   TITLE: Vice Pres., Product Mgt.
CITY/STATE/ZIP: Austin, TX 78705   PHONE: (512) 474-4526

DESCRIPTION:
PAWS is a computer performance modeling language for the performance oriented design and analysis of new and existing computer and communication systems.

CATEGORY:
X SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: ___
OPERATING SYSTEM REQUIRED FOR OPERATION: ___
COMPUTER: X MAINFRAME   X MINI   _ MICRO

RESOURCES REQUIRED: 1Mb INTERNAL STORAGE (BYTES)
3Mb EXTERNAL STORAGE (BYTES)
___ OTHER; SPECIFY: ___

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ___

DOCUMENTATION:
X TECHNICAL PAPER
X MAINTENANCE MANUAL
X SPECIFICATION (DEV/PLAN)
X USER MANUAL
X TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 55 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ___   X PURCHASE PRICE: $17,900.00

REFERENCES: COMPANY: 1) Lockheed   2) Hughes
CONTACT: 1) Dan McKay   2) Paris Bingham
TELEPHONE: 1) (512) 448-5771   2) (303) 793-5118

COMMENTS: See next page.

COMMENTS:

PAWS is a computer performance modeling language for the performance-oriented design of new systems as well as the analysis of existing systems. Software, hardware and external components can be modeled at any desired level of detail. Advanced, complex architectures, communications networks, distributed processing systems, intricate scheduling algorithms, and data base management systems can be modeled.

The PAWS model definition language contains high-level computer-oriented primitives such as interrupts, forks and joins, processor scheduling disciplines, memory management disciplines, probability distributions, and passive resources (for modeling peripheral processors, channels, buffers, control points, etc.), which allow the user to incorporate a primitive simply by specifying its name. Thus, a PAWS model is primarily declarative and not procedural. However, when the primitives are not sufficient, PAWS allows the user to specify computations in terms of a sequence of simple arithmetic statements or by invoking user-written FORTRAN subroutines.

The user specifies his model as a collection of nodes and transaction categories. Transactions travel from node to node as specified by the user. According to the node type, a transaction at a node may 1) enter or leave the network, 2) queue for and receive service or resources, 3) release resources, 4) manipulate simulation variables, 5) split into or join with several other transactions, 6) change its behavioral phase, 7) invoke a user-written subroutine, or 8) change a processor′s speed. PAWS reports throughputs, utilizations, response time means and histograms, and queue length means and histograms. The user may specify additional statistics to be collected and reported. Statistics are reported for each device or resource and for each workload category. Extensive error diagnostics and optional tracing of simulation events are provided.

Arrays of identical nodes may be declared: the node characteristics are specified only once and individual nodes may be referenced by a subscripted array name. The array feature is particularly useful in models of communications and distributed networks.

PAWS is written in ANSI Standard FORTRAN IV (1966). The source code, which is provided to purchasers, contains parameters that allow the customer to set most model restrictions (such as the maximum number of nodes or transaction categories) at compile-time. PAWS uses a discrete-event simulation solution technique.

NAME OF AID: 6502-8086 Convertor ACRONYM: ______

COMPANY: Interactive Picture Systems REPRESENTATIVE: Susan Rubin
STREET : 42 East 23rd Street TITLE: Executive Vice President
CITY/STATE/ZIP: Philadelphia, PA 19146 PHONE: (212) 475-7053

DESCRIPTION:
This product takes 6052 Source Code and generates reliable 8086 Source Code.

CONVERSION TOOL:
X TRANSLATOR
_ CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: ______
TARGET HARDWARE: ______
SOURCE SOFTWARE: 6502
TARGET SOFTWARE: 8086

HARDWARE/MODEL REQUIRED FOR OPERATION: any computer with C compiler
OPERATING SYSTEM REQUIRED FOR OPERATION: ______
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED:
64K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID: _ COBOL _ PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC X OTHER; SPECIFY: C

DOCUMENTATION: _ TECHNICAL PAPER X USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) _ FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN X PRIVATE DOMAIN
X IN USE FOR 2 YEARS X IN USE BY 2 FIRMS
_ DEMONSTRATIONS _ TRAINING

PRICE: _ MONTHLY LEASE: ______ X PURCHASE PRICE: $5,000.00

REFERENCES: COMPANY: 1) Electronic Arts 2) ______
CONTACT: 1) Stewart Bonn 2) ______
TELEPHONE: 1) (415) 571-7171 2) ______

COMMENTS: See next page.

COMMENTS:

Interactive Picture Systems has plans underway to upgrade the present process.

NAME OF AID: IPSlang Compiler ACRONYM: ________

COMPANY: Interactive Picture Systems REPRESENTATIVE: Susan Rubin
STREET : 42 East 23rd Street TITLE: Executive Vice President
CITY/STATE/ZIP: Philadelphia, PA 19146 PHONE: (212) 475-7053

DESCRIPTION:
The IPSlang Compiler is a compiler for C-like languages.

CONVERSION TOOL: X TRANSLATOR
_ CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: ________
TARGET HARDWARE: ________
SOURCE SOFTWARE: ________
TARGET SOFTWARE: ________

HARDWARE/MODEL REQUIRED FOR OPERATION: any computer with C compiler
OPERATING SYSTEM REQUIRED FOR OPERATION: any C compiler
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: 128K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ________

LANGUAGE(S) OF AID: _ COBOL _ PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC X OTHER; SPECIFY: C

DOCUMENTATION: _ TECHNICAL PAPER X USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) _ FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN X PRIVATE DOMAIN
X IN USE FOR 1 YEARS X IN USE BY 1 FIRMS
_ DEMONSTRATIONS _ TRAINING

PRICE: X MONTHLY LEASE: negotiable _ PURCHASE PRICE: ________

REFERENCES: COMPANY: 1) ________ 2) ________
CONTACT: 1) ________ 2) ________
TELEPHONE: 1) ________ 2) ________

COMMENTS: See next page.

COMMENTS:

The IPSlang Compiler is written for the purpose of achieving better portability and more efficient integration of high and low-level routines.

NAME OF AID: Text Editor
ACRONYM: TED

COMPANY: Interactive Picture Systems
STREET : 42 East 23rd Street
CITY/STATE/ZIP: Philadelphia, PA 19146

REPRESENTATIVE: Susan Rubin
TITLE: Executive Vice President
PHONE: (212) 475-7053

DESCRIPTION:
This product is a screen-based text editor.

CATEGORY:
☐ SIMULATION
☐ DESIGN
☐ CODE GENERATION
☐ TESTING
☐ MAINTENANCE
☒ DOCUMENTATION
☐ OPERATION
☐ PERFORMANCE MEASURE
☒ SUPPLEMENTAL SUPPORT
☐ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: Cromemco 5100 computers and C10
OPERATING SYSTEM REQUIRED FOR OPERATION: Cromix
COMPUTER: ☐ MAINFRAME ☐ MINI ☒ MICRO

RESOURCES REQUIRED:
64K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY:

LANGUAGE(S) OF AID:
☐ COBOL
☐ FORTRAN
☐ PL/1
☐ BASIC
☐ ASSEMBLER
☒ OTHER; SPECIFY: C

DOCUMENTATION:
☐ TECHNICAL PAPER
☐ MAINTENANCE MANUAL
☐ SPECIFICATION (DEV/PLAN)
☒ USER MANUAL
☐ TEST/PLAN PROCEDURE
☐ FULL DOCUMENTATION

ACCESSIBILITY:
☐ PUBLIC DOMAIN
☒ IN USE FOR 1 YEARS
☐ DEMONSTRATIONS
☒ PRIVATE DOMAIN
☒ IN USE BY 1 FIRMS
☐ TRAINING

PRICE: ☒ MONTHLY LEASE: negotiable ☐ PURCHASE PRICE:

REFERENCES: COMPANY: 1) 2)
CONTACT: 1) 2)
TELEPHONE: 1) 2)

COMMENTS: See next page.

COMMENTS:

Text Editor is faster than the standard Cromemco editor and easier to use.

NAME OF AID: InterTools
ACRONYM:

COMPANY: Intermetrics, Inc.
STREET : 733 Concord Avenue
CITY/STATE/ZIP: Cambridge, MA 02138

REPRESENTATIVE: Software Products Div.
TITLE:
PHONE: (617) 661-0072

DESCRIPTION:
InterTools is an integrated set of source-level cross debuggers, C and Pascal cross compilers, manufacturer-compatible assemblers, and utilities for use in programming embedded system applications. They produce code for 68000, 8086, 80186, 6809 and Z80.

CATEGORY:
_ SIMULATION
X DESIGN
X CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: CADMUS, VAX, SUN, MOCROVAX, APOLLO
OPERATING SYSTEM REQUIRED FOR OPERATION:
COMPUTER: _ MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY:

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: C, Pascal

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: X PURCHASE PRICE: $8,000.00

REFERENCES: COMPANY: 1) available upon request 2)
CONTACT: 1) 2)
TELEPHONE: 1) 2)

COMMENTS: None

NAME OF AID: Byron
ACRONYM: ____

COMPANY: Intermetrics, Inc.
STREET : 733 Concord Avenue
CITY/STATE/ZIP: Cambridge, MA 02138

REPRESENTATIVE: Barbara Guyette
TITLE: Marketing Specialist
PHONE: (617) 661-1840

DESCRIPTION:
Byron is a software package designed to support the development of large software systems. Byron adds special constructs in Ada comments through which the software designer supplies information necessary to the implementor, tester, or maintainer.

CATEGORY:
_ SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: VAX 7XX or 86XX; IBM 370
OPERATING SYSTEM REQUIRED FOR OPERATION: VMS (4.X); CMS, UTS, MVS, OS/KS1
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: will supply upon request

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: Ada

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 2 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: X MONTHLY LEASE: see comments X PURCHASE PRICE: see comments

REFERENCES: COMPANY: 1) available upon request 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

MONTHLY LEASE: VAX - $2,000.00; IBM - $3,000.00.
PURCHASE PRICE: VAX - $50,000.00; IBM - $75,000.00.

Byron has two basic tools: the Byron Analyzer and the Document Generator. The Analyzer checks source code for errors in both the Ada code and the Byron comments, and then stores the results in the Byron program library. This program library is used as a data base by the Byron Document Generator. The operation of the Document Generator is controlled by a template. The following templates (among others) are provided with the full Byron package: Call Tree, Data Dictionary, Dependency Table, User Manual, and a C5 Specification. The user can also write his own templates to suit his own needs or modify any of the predefined templates.

Byron is a registered trademark of Intermetrics, Inc.

NAME OF AID: AFM/AP ACRONYM:

COMPANY: Interprocess Systems, Inc.
STREET : 6065 Roswell Rd., NE, Ste. 608
CITY/STATE/ZIP: Atlanta, GA 30328

REPRESENTATIVE: Gordon Chamberlain
TITLE: President
PHONE: (404) 257-1110

DESCRIPTION:
This is a file management system for APL which permits the development of multi-user, shared file, real time applications in APL. It includes many of the utilities and security features typical of a DBMS.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: VM/CMS, MVS/TSO, MVS/VSPC
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 512K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: VSAM, VSAPL or APL2

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY:

DOCUMENTATION:
_ TECHNICAL PAPER
X MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 9 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 85 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $500.00 X PURCHASE PRICE: $12,500.00

REFERENCES: COMPANY: 1) available upon request. 2)
CONTACT: 1) 2)
TELEPHONE: 1) 2)

COMMENTS: See next page.

COMMENTS:

AFM/AP promotes the use of standardized file techniques well suited to the APL programming environment. Options to the AFM/AP System include the Interactive Link, Keyed Access and Mail Exchange options. Installation requires no changes to IBM source code.

NAME OF AID: APLPRINT

ACRONYM: ________

COMPANY: Interprocess Systems, Inc.
STREET : 6065 Roswell Rd., NE, Ste. 608
CITY/STATE/ZIP: Atlanta, GA 30328

REPRESENTATIVE: Gordon Chamberlain
TITLE: President
PHONE: (404) 257-1110

DESCRIPTION:
This software tool provides access to the system high speed line printer from the APL programming environment. Under TSO, locally attached printers (3284, 3287) may also be accessed.

CATEGORY:
☐ SIMULATION
☐ DESIGN
☐ CODE GENERATION
☐ TESTING
☐ MAINTENANCE
☐ DOCUMENTATION
☐ OPERATION
☐ PERFORMANCE MEASURE
☒ SUPPLEMENTAL SUPPORT
☐ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS/TSO, VM/CMS
COMPUTER: ☒ MAINFRAME ☐ MINI ☐ MICRO

RESOURCES REQUIRED:
60K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: VSAPL or APL2

LANGUAGE(S) OF AID: ☐ COBOL ☐ FORTRAN ☐ PL/1 ☐ BASIC ☒ ASSEMBLER ☐ OTHER; SPECIFY: ________

DOCUMENTATION:
☐ TECHNICAL PAPER
☐ MAINTENANCE MANUAL
☐ SPECIFICATION (DEV/PLAN)
☒ USER MANUAL
☐ TEST/PLAN PROCEDURE
☐ FULL DOCUMENTATION

ACCESSIBILITY:
☐ PUBLIC DOMAIN
☒ IN USE FOR 3 YEARS
☒ DEMONSTRATIONS
☒ PRIVATE DOMAIN
☒ IN USE BY 10 FIRMS
☒ TRAINING

PRICE: ☒ MONTHLY LEASE: $90.00 ☒ PURCHASE PRICE: $2,500.00

REFERENCES: COMPANY: 1) available upon request 2) ________
CONTACT: 1) ________ 2) ________
TELEPHONE: 1) ________ 2) ________

COMMENTS: See next page.

COMMENTS:

APLPRINT is most commonly used to generate reports according to programmer-defined titles, page breaks, etc. APLPRINT is an extension to Interprocess's CALL/AP product. Used in conjunction with Interprocess's AFM/AP file management system, APLPRINT produces reports from control information and data on an APL file. Installation requires no changes to IBM source code.

NAME OF AID: CALL/AP ACRONYM: ____

COMPANY: Interprocess Systems, Inc.
STREET : 6065 Roswell Rd., NE, Ste. 608
CITY/STATE/ZIP: Atlanta, GA 30328

REPRESENTATIVE: Gordon Chamberlain
TITLE: President
PHONE: (404) 257-1110

DESCRIPTION:
CALL/AP calls subroutines from an active APL workspace. Any program (BAL, COBOL, FORTRAN, etc.) which follows standard IBM linkage conventions can be accessed.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS/TSO, MVS/VSPC, VM/CMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 60K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: VSAPL or APL2

LANGUAGE(S) OF AID: _ COBOL _ PL/1 X ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
X MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 6 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 25 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $170.00 X PURCHASE PRICE: $4,700.00

REFERENCES:	1)	2)
COMPANY:	Ctrs. for Disease Control	Food & Drug Admin.
CONTACT:	Mr. Al Barber	Mr. Larry Dusold
TELEPHONE:	(404) 329-3723	(202) 245-1413

COMMENTS: See next page.

COMMENTS:

Primary applications of CALL/AP include interfacing between APL and DBMS's and allowing APL programmers to use specialized operating system services. Installation requires no changes to IBM source code.

NAME OF AID: Enhanced Format ACRONYM: ______

COMPANY: Interprocess Systems, Inc.
STREET : 6065 Roswell Rd., NE, Ste. 608
CITY/STATE/ZIP: Atlanta, GA 30328

REPRESENTATIVE: Gordon Chamberlain
TITLE: President
PHONE: (404) 257-1110

DESCRIPTION:
This APL interpreter extension formats APL data for reports. It supports COBOL- and FORTRAN-like editing for mixed APL data types.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS/TSO, MVS/VSPC, VM/CMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
8K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: VSAPL or APL2

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
X MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 4 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 65 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $90.00 X PURCHASE PRICE: $2,500.00

REFERENCES: COMPANY: 1) available upon request 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

Enhanced Format supports all "quad-FMT" features and reduces CPU resources required for report generation. Installation requires no changes to IBM source code.

NAME OF AID: Input Stack Processor
ACRONYM: ISP

COMPANY: Interprocess Systems, Inc.
STREET : 6065 Roswell Rd., NE, Ste. 608
CITY/STATE/ZIP: Atlanta, GA 30328
REPRESENTATIVE: Gordon Chamberlain
TITLE: President
PHONE: (404) 257-1110

DESCRIPTION:
ISP allows APL requests for terminal input to be satisfied with input previously placed on an "input stack", rather than with data typed in at the terminal.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS/TSO, VM/CMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
40K INTERNAL STORAGE (BYTES)
___ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: VSAPL

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ___

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 3 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 5 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $30.00 X PURCHASE PRICE: $850.00

REFERENCES: COMPANY: 1) available upon request 2) ___
CONTACT: 1) ___ 2) ___
TELEPHONE: 1) ___ 2) ___

COMMENTS: See next page.

COMMENTS:

In combination with the companion "Output Stack Processor" (OSP), ISP can be used to contruct error trapping and error recovery facilities for applications written in APL. ISP requires no IBM VSAPL source code changes.

NAME OF AID: Interactive Link Option for AFM/AP
ACRONYM: ____

COMPANY: Interprocess Systems, Inc.
STREET : 6065 Roswell Road, NE, Ste. 60
CITY/STATE/ZIP: Atlanta, GA 30328
REPRESENTATIVE: Gordon Chamberlain
TITLE: President
PHONE: (404) 257-1110

DESCRIPTION:
This software tool provides an interface between non-APL programs (e.g., FORTRAN or COBOL) and the APL-based AFM/AP file management system.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS/TSO, MVS/VSPC, VM/CMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
6K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: VSAM, AFM/AP

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
X MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 3 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 20 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $60.00 X PURCHASE PRICE: $1,500.00

REFERENCES:
COMPANY: 1) available upon request. 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

Interactive Link performs translation to assist in converting external data to and from APL data format. The versatility of this product will benefit any application which shares data between AFM APL files and COBOL, FORTRAN, or other programs and data bases.

NAME OF AID: Keyed Access Option for AFM/AP

ACRONYM: ________

COMPANY: Interprocess Systems, Inc.
STREET : 6065 Roswell Rd., NE, Ste. 608
CITY/STATE/ZIP: Atlanta, GA 30328

REPRESENTATIVE: Gordon Chamberlain
TITLE: President
PHONE: (404) 257-1110

DESCRIPTION:
This software tool allows users of the AFM/AP file management system to establish "keyed" APL files.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS/TSO, MVS/VSPC, VM/CMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
40K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: VSAM, VSAPL or APL2, AFM/AP

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ________

DOCUMENTATION:
_ TECHNICAL PAPER
X MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 4 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 40 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $120.00 X PURCHASE PRICE: $3,000.00

REFERENCES: COMPANY: 1) available upon request 2) ________
CONTACT: 1) ________ 2) ________
TELEPHONE: 1) ________ 2) ________

COMMENTS: See next page.

COMMENTS:

Data on keyed files is accessed by character key rather than consecutive integer component number. This permits deletion or insertion at any point in a file and eliminates the need for a specially constructed index record to identify components.

NAME OF AID: Output Stack Processor ACRONYM: OSP

COMPANY: Interprocess Systems, Inc. REPRESENTATIVE: Gordon Chamberlain
STREET : 6065 Roswell Rd., NE, Ste. 608 TITLE: President
CITY/STATE/ZIP: Atlanta, GA 30328 PHONE: (404) 257-1110

DESCRIPTION:
This APL auxiliary processor provides a means to intercept output which APL would normally print at the user's terminal.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS/TSO, VM/CMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
40K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: VSAPL

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 3 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 8 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $90.00 X PURCHASE PRICE: $2,500.00

REFERENCES: COMPANY: 1) available upon request 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

In combination with the companion "Input Stack Processor" (ISP), OSP can be used to construct error trapping and error recovery facilities for applications written in APL. OSP requires no IBM VSAPL source code changes.

NAME OF AID: PSL/PSA
ACRONYM: ____

COMPANY: ISDOS, Inc.
STREET : 325 E. Eisenhower, Suite 103
CITY/STATE/ZIP: Ann Arbor, MI 48104

REPRESENTATIVE: Jeffrey S. Barron
TITLE: Sales Representative
PHONE: (313) 663-6027

DESCRIPTION:
PSL/PSA (Problem Statement Language/Problem Statement Analyzer) is a state of the art, computer-aided tool that automates the development of requirements and the analysis and design of information systems.

CATEGORY:
_ SIMULATION
X DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: ____
OPERATING SYSTEM REQUIRED FOR OPERATION: see comments
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 1Mb INTERNAL STORAGE (BYTES)
20Mb EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 10 YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
X IN USE BY 140 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ____
X PURCHASE PRICE: $25,000.00

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

OPERATING SYSTEM REQUIRED: VM/CMS, VAX/VMS, MVS/TSO, Burroughs CANDE, UNIX, Sperry OS-1100.

PSL/PSA supports many methodologies, e.g., 1) De Marco, 2) Yourdon, 3) Ganes and Sarson, 4) SADT-IDEF, 5) Warnier-Orr.

NAME OF AID: Report Specification Interface
ACRONYM: RSI

COMPANY: ISDOS, Inc.
STREET : 325 E. Eisenhower, Suite 103
CITY/STATE/ZIP: Ann Arbor, MI 48104
REPRESENTATIVE: Jeffrey S. Barron
TITLE: Sales Representative
PHONE: (313) 663-6027 ext. 125

DESCRIPTION:
RSI is a report generation language. It provides the facilities of a string manipulation programming language tailored to the easy generation of report output.

CATEGORY:
☐ SIMULATION
☒ DESIGN
☒ CODE GENERATION
☒ TESTING
☒ MAINTENANCE
☒ DOCUMENTATION
☐ OPERATION
☐ PERFORMANCE MEASURE
☐ SUPPLEMENTAL SUPPORT
☒ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION:
OPERATING SYSTEM REQUIRED FOR OPERATION: see comments
COMPUTER: ☒ MAINFRAME ☐ MINI ☐ MICRO

RESOURCES REQUIRED: 2Mb INTERNAL STORAGE (BYTES)
10Mb EXTERNAL STORAGE (BYTES)
OTHER; SPECIFY:

LANGUAGE(S) OF AID: ☐ COBOL ☐ FORTRAN ☐ PL/1 ☐ BASIC ☐ ASSEMBLER ☐ OTHER; SPECIFY:

DOCUMENTATION:
☐ TECHNICAL PAPER
☐ MAINTENANCE MANUAL
☐ SPECIFICATION (DEV/PLAN)
☐ USER MANUAL
☐ TEST/PLAN PROCEDURE
☒ FULL DOCUMENTATION

ACCESSIBILITY:
☐ PUBLIC DOMAIN
☒ IN USE FOR 10 YEARS
☐ DEMONSTRATIONS
☐ PRIVATE DOMAIN
☒ IN USE BY 30 FIRMS
☐ TRAINING

PRICE: ☐ MONTHLY LEASE: ☒ PURCHASE PRICE: $5,000.00

REFERENCES: COMPANY: 1) 2)
CONTACT: 1) 2)
TELEPHONE: 1) 2)

COMMENTS: See next page.

COMMENTS:

OPERATING SYSTEM REQUIRED: VM/CMS, VAX/VMS, MVS/TSO, UNIX, Sperry OS-1100

The user can create both simple and complex text generation reports, such as English paragraphs. RSI is also designed for manipulation of the PSA data base beyond those operations which may be performed by the pre-existing functions of the PSA system.

NAME OF AID: Structured Architect

ACRONYM: ________

COMPANY: ISDOS, Inc.
STREET : 325 E. Eisenhower, Suite 103
CITY/STATE/ZIP: Ann Arbor, MI 48104

REPRESENTATIVE: Jeffrey S. Barron
TITLE: Sales Representative
PHONE: (313) 663-6027 ext. 125

DESCRIPTION:
This product is a complete workstation for structured analysis that runs on the IBM PC.

CATEGORY:
_ SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC
OPERATING SYSTEM REQUIRED FOR OPERATION: MS-DOS
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: 256K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR -1 YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
X IN USE BY 10 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ________ X PURCHASE PRICE: $3,500.00

REFERENCES: COMPANY: 1) ________ 2) ________
CONTACT: 1) ________ 2) ________
TELEPHONE: 1) ________ 2) ________

COMMENTS: None

NAME OF AID: VAX 11/780 Microcode Compiler
ACRONYM: AMGS

COMPANY: JRS Research Laboratories
STREET : 202 West Lincoln Avenue
CITY/STATE/ZIP: Orange, CA 92665
REPRESENTATIVE: Erwin H. Warshawsky
TITLE: President
PHONE: (714) 974-2201

DESCRIPTION:
The AMGS is a compiler that compiles application programs written in a high level language (like FORTRAN) into microcode that executes from the User Writeable Control Store in the VAX 11/780, under VMS, transparent to other VMS users.

CATEGORY:
☐ SIMULATION
☐ DESIGN
☒ CODE GENERATION
☐ TESTING
☐ MAINTENANCE
☐ DOCUMENTATION
☐ OPERATION
☐ PERFORMANCE MEASURE
☐ SUPPLEMENTAL SUPPORT
☐ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: VAX 11/780
OPERATING SYSTEM REQUIRED FOR OPERATION: VMS
COMPUTER: ☐ MAINFRAME ☒ MINI ☐ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
__X__ OTHER; SPECIFY: User Writeable Control Store Option

LANGUAGE(S) OF AID: ☐ COBOL ☐ PL/1 ☐ ASSEMBLER
☐ FORTRAN ☐ BASIC ☒ OTHER; SPECIFY: PASCAL

DOCUMENTATION:
☐ TECHNICAL PAPER
☐ MAINTENANCE MANUAL
☐ SPECIFICATION (DEV/PLAN)
☒ USER MANUAL
☐ TEST/PLAN PROCEDURE
☒ FULL DOCUMENTATION

ACCESSIBILITY:
☐ PUBLIC DOMAIN
☒ IN USE FOR 4 YEARS
☒ DEMONSTRATIONS
☐ PRIVATE DOMAIN
☒ IN USE BY 8 FIRMS
☒ TRAINING

PRICE: ☐ MONTHLY LEASE: ________ ☒ PURCHASE PRICE: $15,000.00

REFERENCES: COMPANY: 1) McDonnell Douglas 2) General Atomic
CONTACT: 1) Orv Jordahl 2) Glen Sheppard
TELEPHONE: 1) (714) 896-3311 2) (619) 455-3000

COMMENTS: None

NAME OF AID: 2780/3780 Protocol Converter
ACRONYM: ____

COMPANY: KMW Systems Corporation
STREET : 8307 Highway 71W
CITY/STATE/ZIP: Austin, TX 78735
REPRESENTATIVE: Karen Willey
TITLE: Appl. Engineer
PHONE: (512) 288-1453

DESCRIPTION:
The 2780/3780 Protocol Converter allows for the attachment of printers, plotter, mini/micro systems, etc., with a serial asynchronous or byte parallel (Centronix, Dataproducts or Documation) format to an IBM mainframe via RS-232C serial interface using 2780 or 3780 bisync protocol.

CONVERSION TOOL:
_ TRANSLATOR
_ CONVERSION AID
X EMULATOR
_ SIMULATOR

SOURCE HARDWARE: 2780/3780 bisync protocol
TARGET HARDWARE: Async serial or parallel
SOURCE SOFTWARE: ____
TARGET SOFTWARE: ____

HARDWARE/MODEL REQUIRED FOR OPERATION: Series II X780 Protocol Converter
OPERATING SYSTEM REQUIRED FOR OPERATION: ____
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED:
____ INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID: _ COBOL _ PL/1 X ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ____

DOCUMENTATION: _ TECHNICAL PAPER X USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) _ FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN _ PRIVATE DOMAIN
X IN USE FOR 7 YEARS _ IN USE BY ____ FIRMS
X DEMONSTRATIONS X TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: $1,995.00

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: None

NAME OF AID: Series II 3270 BSC ACRONYM: ________

COMPANY: KMW Systems Corporation REPRESENTATIVE: Karen Willey
STREET : 8307 Highway 71W TITLE: Applications Engineer
CITY/STATE/ZIP: Austin, TX 78735 PHONE: (512) 288-1453

DESCRIPTION:
This product allows the connection of two to eight async terminals and printers to IBM mainframes. It emulates a 3271 control unit with attached 3277 CRTs and/or 3287 printers.

CONVERSION TOOL: _ TRANSLATOR
_ CONVERSION AID
X EMULATOR
_ SIMULATOR

SOURCE HARDWARE: 3270 Bisync protocol
TARGET HARDWARE: RS232C terminals
SOURCE SOFTWARE: ____________
TARGET SOFTWARE: ____________

HARDWARE/MODEL REQUIRED FOR OPERATION: Series II 3270 BSC protocol converter
OPERATING SYSTEM REQUIRED FOR OPERATION: ____________
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID: _ COBOL _ PL/1 X ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ________

DOCUMENTATION: _ TECHNICAL PAPER X USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) _ FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN _ PRIVATE DOMAIN
X IN USE FOR 6 YEARS _ IN USE BY ____ FIRMS
X DEMONSTRATIONS X TRAINING

PRICE: _ MONTHLY LEASE: ________ X PURCHASE PRICE: $3,095.00

REFERENCES: COMPANY: 1) ____________ 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: None

NAME OF AID: Series II 3270 SNA ACRONYM: ________

COMPANY: KMW Systems Corporation REPRESENTATIVE: Karen Willey
STREET : 8307 Highway 71W TITLE: Applications Engineer
CITY/STATE/ZIP: Austin, TX 78735 PHONE: (512) 288-1453

DESCRIPTION:
This tool emulates the IBM 3274 SNA/SDLC control unit with attached 3277 CRTs and/or 3287 printers. It allows the attachment of 108 async RS232 CRTs and/or async RS232 or byte parallel printers to an IBM mainframe.

CONVERSION TOOL: _ TRANSLATOR
_ CONVERSION AID
X EMULATOR
_ SIMULATOR

SOURCE HARDWARE: 3274 SNA/SDLC protocol
TARGET HARDWARE: RS232C terminals
SOURCE SOFTWARE: ________
TARGET SOFTWARE: ________

HARDWARE/MODEL REQUIRED FOR OPERATION: Series II 3270 SNA
OPERATING SYSTEM REQUIRED FOR OPERATION: ________
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ________

LANGUAGE(S) OF AID: _ COBOL _ PL/1 X ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ________

DOCUMENTATION: _ TECHNICAL PAPER X USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) _ FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN _ PRIVATE DOMAIN
X IN USE FOR 3 YEARS _ IN USE BY ____ FIRMS
X DEMONSTRATIONS X TRAINING

PRICE: _ MONTHLY LEASE: ________ X PURCHASE PRICE: $3,095.00

REFERENCES: COMPANY: 1) ________ 2) ________
CONTACT: 1) ________ 2) ________
TELEPHONE: 1) ________ 2) ________

COMMENTS: See next page.

COMMENTS:

The interface to host is via twinaxial connection. Device interfaces can be serial RS232C or Dataproducts parallel.

NAME OF AID: Series II 3287 Coax ACRONYM: ________

COMPANY: KMW Systems Corporation
STREET : 8307 Highway 71W
CITY/STATE/ZIP: Austin, TX 78735

REPRESENTATIVE: Karen Willey
TITLE: Applications Engineer
PHONE: (512) 288-1453

DESCRIPTION:
This tool allows the attachment of async RS232C or Dataproducts parallel output devices to IBM 3274 control unit. Interface to IBM 3274 is via coaxial connection.

CONVERSION TOOL:
_ TRANSLATOR
_ CONVERSION AID
X EMULATOR
_ SIMULATOR

SOURCE HARDWARE: IBM 3287 printer protocol
TARGET HARDWARE: Async output devices
SOURCE SOFTWARE: ________
TARGET SOFTWARE: ________

HARDWARE/MODEL REQUIRED FOR OPERATION: Series II 3287 Coax
OPERATING SYSTEM REQUIRED FOR OPERATION: ________
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
X DEMONSTRATIONS
_ PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ________ X PURCHASE PRICE: $1,995.00

REFERENCES: COMPANY: 1) ________ 2) ________
CONTACT: 1) ________ 2) ________
TELEPHONE: 1) ________ 2) ________

COMMENTS: None

NAME OF AID: Series II 3770 ACRONYM: ____

COMPANY: KMW Systems Corporation REPRESENTATIVE: Karen Willey
STREET : 8307 Highway 71W TITLE: Applications Engineer
CITY/STATE/ZIP: Austin, TX 78735 PHONE: (512) 288-1453

DESCRIPTION:
This tool emulates IBM 3776 (models 3 and 4) and IBM 3777 (model 3). It allows the attachment of one to seven printers, plotters, mini/micro system, etc., 19.2 Kbps (56 Kbps option).

CONVERSION TOOL: _ TRANSLATOR
_ CONVERSION AID
X EMULATOR
_ SIMULATOR

SOURCE HARDWARE: 3770 protocol
TARGET HARDWARE: Async RS232C or byte parallel
SOURCE SOFTWARE: ____
TARGET SOFTWARE: ____

HARDWARE/MODEL REQUIRED FOR OPERATION: Series II 3770 protocol converter
OPERATING SYSTEM REQUIRED FOR OPERATION: ____
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: ____ INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID: _ COBOL _ PL/1 X ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ____

DOCUMENTATION: _ TECHNICAL PAPER X USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) _ FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN _ PRIVATE DOMAIN
X IN USE FOR 3 YEARS _ IN USE BY ____ FIRMS
X DEMONSTRATIONS X TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: $4,000.00

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

Series II 3770 has a serial async or byte parallel (Centronics, Dataproducts or Documation) format via Serial RS232C to host. A standard unit includes one console port and one device port.

NAME OF AID: Series II HASP ACRONYM:

COMPANY: KMW Systems Corporation
STREET : 8307 Highway 71W
CITY/STATE/ZIP: Austin, TX 78735

REPRESENTATIVE: Karen Willey
TITLE: Applications Engineer
PHONE: (512) 288-1453

DESCRIPTION:
This tool emulates the IBM 360 model 20 HASP RJE workstation.

CONVERSION TOOL: _ TRANSLATOR
_ CONVERSION AID
X EMULATOR
_ SIMULATOR

SOURCE HARDWARE:
TARGET HARDWARE:
SOURCE SOFTWARE:
TARGET SOFTWARE:

HARDWARE/MODEL REQUIRED FOR OPERATION:
OPERATING SYSTEM REQUIRED FOR OPERATION:
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY:

LANGUAGE(S) OF AID: _ COBOL _ PL/1 X ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY:

DOCUMENTATION: _ TECHNICAL PAPER X USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) _ FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN _ PRIVATE DOMAIN
X IN USE FOR 4 YEARS _ IN USE BY ____ FIRMS
X DEMONSTRATIONS X TRAINING

PRICE: _ MONTHLY LEASE: X PURCHASE PRICE: $45.00

REFERENCES: COMPANY: 1) 2)
CONTACT: 1) 2)
TELEPHONE: 1) 2)

COMMENTS: See next page.

COMMENTS:

The tool allows for the attachment of one to seven printers, plotters, mini/micro systems, etc., at up to 19.2 Kbps. Device interfaces include async RS232C and Centronics, Dataproduct and Documation parallel formats. Host interface is RS232 at max. 19.2 Kbps (56 Kbps, V.35 option). A standard unit includes one console port and one device port.

NAME OF AID: Series II Twinax ACRONYM: ____

COMPANY: KMW Systems Corporation
STREET : 8307 Highway 71W
CITY/STATE/ZIP: Austin, TX 78735

REPRESENTATIVE: Karen Willey
TITLE: Applications Engineer
PHONE: (512) 288-1453

DESCRIPTION:
This tool allows the connection of one to seven asynchronous terminals or printers to the IBM System/34, /36, or /38. It emulates the 5291 and 5251 terminals or 5225 printer.

CONVERSION TOOL:
_ TRANSLATOR
_ CONVERSION AID
X EMULATOR
_ SIMULATOR

SOURCE HARDWARE: IBM System /34, /36, /38
TARGET HARDWARE: Async terminals & printers
SOURCE SOFTWARE: ____
TARGET SOFTWARE: ____

HARDWARE/MODEL REQUIRED FOR OPERATION: Series II Twinax
OPERATING SYSTEM REQUIRED FOR OPERATION: ____
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED:
____ INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
X DEMONSTRATIONS
_ PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ____ _ PURCHASE PRICE: ____

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: None

NAME OF AID: RECODER
ACRONYM: ____

COMPANY: Language Technology, Inc.
STREET : 27 Congress Street
CITY/STATE/ZIP: Salem, MA 01970

REPRESENTATIVE: Daniel J. Sullivan
TITLE: Product Manager
PHONE: (617) 741-1507

DESCRIPTION:
This is a COBOL restructuring service which utilizes techniques from artificial intelligence, formal language theory, and mathematics to automatically transform unstructured COBOL programs into industry standard structured programs.

CONVERSION TOOL:
_ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
_ SIMULATION
_ DESIGN
X CODE GENERATION
_ TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

SOURCE HARDWARE: ____
TARGET HARDWARE: ____
SOURCE SOFTWARE: COBOL
TARGET SOFTWARE: structured COBOL

HARDWARE/MODEL REQUIRED FOR OPERATION: ____
OPERATING SYSTEM REQUIRED FOR OPERATION: ____
COMPUTER: _ MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
____ INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID: _ COBOL _ FORTRAN _ PL/1 _ BASIC _ ASSEMBLER _ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____ _ PURCHASE PRICE: ____

REFERENCES: COMPANY: 1) available upon request 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

RECODER is presently offered only as a service, although Beta license sites are being negotiated.

A free trial of the service (up to 2,000 lines of code at no charge) to clients to evaluate the results of their own program.

The price of the service is based on the number of lines of code processed in a given period. Discounts based on volume are available. Current prices range from $.50 to $.20 per line of code.

Typically, a maintenance environment is used to reduce costs. A QA/QC tool also is used for new development. As part of the process, a restructured program and complete control flow documentation is generated.

As part of the Programmer's Workbench, RECODER is available through the General Services Administration, Office of Software Development.

NAME OF AID: "PRIDE"-ASDM
ACRONYM: PRIDE-ASDM

COMPANY: M. Bryce & Associates, Inc.
STREET : 777 Alderman Road
CITY/STATE/ZIP: Palm Harbor, FL 33563

REPRESENTATIVE: Bob Paxton
TITLE: Director, Marketing
PHONE: (813) 786-4567

DESCRIPTION:
"PRIDE"-ASDM is an automated methodology for designing, developing and implementing information systems.

CATEGORY:
_ SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM, DEC, VAX, Honeywell, Univac, cont.
OPERATING SYSTEM REQUIRED FOR OPERATION: see comments
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED:
128K INTERNAL STORAGE (BYTES)
17Mb EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
X TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 3 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 500 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ______ X PURCHASE PRICE: $80,000.00

REFERENCES: COMPANY: 1) available upon request 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

TELEX 4946323 (BRYCE CLWT)

HARDWARE/MODEL REQUIRED: IBM 370/43XX/30XX, DEC 10,20, VAX, HONEYWELL DPS8, L66, MULTICS, HP3000, UNIVAC 1100, CDC CYBER, NEC, DG ECLIPSE, PCMs.

OPERATING SYSTEM REQUIRED: OS/VS, MVS, DOS/VSE, TOPS, VMS, GCOS, MPE IV, EXEC, NBS, ACOS, AOS.

"PRIDE"-ASDM is an integrated, automated approach for designing and building Information Systems. The product consists of a Management Methodology, an Information Resource Manager (IRM), an Automated Design Facility (ADF), Automated Instructional Materials (AIM), Options, and a Project Management System (PMS). The Methodology details the step-by-step process for designing systems and managing projects. The IRM is the central repository of information knowledge in an organization. It is used to catalog, cross-reference, and document all systems, data, and organizational components. All of the documentation resides on the computer in a modifiable and reusable form. The ADF takes end-user information requirements and converts them into system designs, complete with logical data base. Optional features are available for physical data base design and program generation (whether procedural or non-procedural languages - i.e., 4GL). All of the product's instructions reside in AIM, thus eliminating the need for cumbersome standards manuals. The PMS provides activities for planning, estimating, scheduling, reporting, and controlling project activities. It is supported by the "PMC2" software. The package comes complete with a standard bill of materials and services which includes training and consulting. "PRIDE"-SDM is a manual version that is also available.

Bill of materials:

- overview and example manuals for development staff and users
- AIM printout (3 volumes) for development staff
- component definition system manual for development staff
- support manual containing implementation guide and training programs
- software administration manual for installing, testing and operating the "PRIDE"-ASDM software.

Bill of services:

- 14 1/2 days of training and consulting for the development staff, users, executives

NAME OF AID: "PRIDE"-SDM ACRONYM: ________

COMPANY: M. Bryce & Associates, Inc. REPRESENTATIVE: Bob Paxton
STREET : 777 Alderman Road TITLE: Director, Marketing
CITY/STATE/ZIP: Palm Harbor, FL 33563 PHONE: (813) 786-4567

DESCRIPTION:
"PRIDE"-SDM is a manual methodology for designing, developing and implementing information systems. It can be upgraded to a fully automated methodology.

CATEGORY:	_ SIMULATION	_ DOCUMENTATION
	X DESIGN	_ OPERATION
	_ CODE GENERATION	_ PERFORMANCE MEASURE
	_ TESTING	_ SUPPLEMENTAL SUPPORT
	_ MAINTENANCE	_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: ____________________
OPERATING SYSTEM REQUIRED FOR OPERATION: ____________________
COMPUTER: _ MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________________

LANGUAGE(S) OF AID:	_ COBOL	_ PL/1	_ ASSEMBLER
	_ FORTRAN	_ BASIC	_ OTHER; SPECIFY: ________

DOCUMENTATION:	_ TECHNICAL PAPER	X USER MANUAL
	_ MAINTENANCE MANUAL	_ TEST/PLAN PROCEDURE
	_ SPECIFICATION (DEV/PLAN)	X FULL DOCUMENTATION

ACCESSIBILITY:	_ PUBLIC DOMAIN	X PRIVATE DOMAIN
	X IN USE FOR 14 YEARS	X IN USE BY 1200 FIRMS
	X DEMONSTRATIONS	_ TRAINING

PRICE: _ MONTHLY LEASE: ________ X PURCHASE PRICE: 30,000.00

REFERENCES: COMPANY: 1) available upon request 2) ________
CONTACT: 1) ________ 2) ________
TELEPHONE: 1) ________ 2) ________

COMMENTS: See next page.

COMMENTS:

TELEX 4946323 (BRYCE CLWT)

"PRIDE"-SDM is a comprehensive methodology for the design and development of Information Systems. Like "PRIDE"-ASDM, the automated version (see separate listing), it combines the disciplines of Structured Systems Analysis/Design, Data Management, Project Management, and Documentation/Communications into a single, well engineered and easy to use approach. Selectable software options can be obtained to support the methodology and upgrade the system to a fully automated product. Options include: an Information Resource Manager (IRM) which is a logical Data Dictionary/Directory that controls both documentation and the Data Base; an Automated Design Facility (ADF) for generating System and Data Base designs; Automated Instructional Materials (AIM) which contains operating instructions for the system; "PMC2" Project Management System (see separate listing); and interfaces to DBMS and Program Generator packages. "PRIDE"-SDM comes complete with a standard bill of materials and services which includes training and consulting.

"PRIDE"-SDM comes with the following materials:

- Detail and Example manuals for development staff and users
- AIM instructional manuals for development staff
- Support Manual containing installation guide and training programs
- Component definition system manuals for development staff

Bill of Services:

- 9 1/2 days training and consulting for the development staff, users, and executives

Additional services are available from MBA.

NAME OF AID: Project Management Command and Control ACRONYM: "PMC2"

COMPANY: M. Bryce & Associates, Inc. REPRESENTATIVE: Bob Paxton
STREET : 777 Alderman Road TITLE: Director, Marketing
CITY/STATE/ZIP: Palm Harbor, FL 33563 PHONE: (813) 786-4567

DESCRIPTION:
"PMC2" is an automated project management system.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM, DEC, Honeywell, cont. in comments
OPERATING SYSTEM REQUIRED FOR OPERATION: OS/VS/MVS, TOPS,/VMS, GCOS
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______________

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
X TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 1 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 12 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ______________ X PURCHASE PRICE: $35-45,000

REFERENCES: COMPANY: 1) available upon request 2) ______________
CONTACT: 1) ______________ 2) ______________
TELEPHONE: 1) ______________ 2) ______________

COMMENTS: See next page.

COMMENTS:

HARDWARE/MODEL REQUIRED: IBM 370/43XX/30XX, DEC 10/20/VAX, Honeywell DPS-8.

"PMC2" is a Project Management System (PMS) that is used to help plan, estimate, schedule, report, and control project activities. It was designed to work in conjunction with MBA´s "PRIDE"-ASDM and "PRIDE"-SDM for Information Systems Design. However, it can be used for vitually any type of methodology, whether for systems/program development (i.e., "METHOD-1", "SPECTRUM", "SDM/70", CARA "STRADIS", ORR´s DSSD, Yourdon, etc.) or for construction, manufacturing, engineering, etc. All project documentation resides on the computer for quick retrieval. Estimates and schedules are generated, while resource allocation is coordinated at the same time. "PMC2" generates brief project status for project management, users, and executive management. Detail summaries can be generated for more complete information. An optional user billing feature is also available. The package comes complete with a standard bill of materials which includes training and consulting.

Bill of Materials:

- overview and example manuals for development staff and users
- coordinator´s manual containing installation guide and training programs
- systems and procedures manuals (2 volumes) for users of "PMC2"
- software administration manual for installing, testing and operating the "PMC2" software

Bill of Services:

- 6 1/2 days of training and consulting for the development staff, users, and executives

NAME OF AID: DATAMANAGER ACRONYM: DMR

COMPANY: MANAGER SOFTWARE PRODUCTS INC. REPRESENTATIVE: Christine Swanson
STREET : 131 Hartwell Avenue TITLE: Vice Pres., Corp. Relations
CITY/STATE/ZIP: Lexington, MA 02173 PHONE: (617) 863-5800

DESCRIPTION:
DATAMANAGER is a dictionary driven data and information resource management system.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 4300, 30XX, PCMs
OPERATING SYSTEM REQUIRED FOR OPERATION: VS1, MVS, MVS/XA, DOS/VSE, VM/CMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 512K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: _____

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: _____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
X IN USE BY 450+ FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: upon request X PURCHASE PRICE: varies w/OS

REFERENCES: COMPANY: 1) _____ 2) _____
CONTACT: 1) _____ 2) _____
TELEPHONE: 1) _____ 2) _____

COMMENTS: See next page.

COMMENTS:

PURCHASE PRICE: OS - from $20,000; DOS - from $12,000

The package include documentation, training and consultancy. The maintenance fee is 12% of current sales price per year.

DATAMANAGER is a dictionary driven product which indexes the entire contents of an information system and the relationships between its constituent elements. In its basic configuration it features:

- an English-like command and definition language
- powerful interrogation capabilities
- generation of reports for system and program documentation

Options are available to:

- generate data definitions in COBOL, PL/1, MARK IV and Assembler ready for immediate compilation;
- generate data descriptions for use by TOTAL, ADABAS, IMS (DL1), IDMS, SYSTEM 2000/80, and Siemens UDS DBMSs;
- create dictionary definitions from existing source programs;
- allow new member types, attributes and relationships to be recorded in the dictionary and reported on and interrogated;
- segregate a dictionary into logically related sections for historical, production and development purposes;
- allow the content and layout of reports to be defined by the user;
- apply security requirements to the contents of the dictionary.

DATAMANAGER is enhanced by the use of CONTROLMANAGER, another product from Manager Software Products, Inc.

NAME OF AID: DESIGNMANAGER ACRONYM: DSR

COMPANY: MANAGER SOFTWARE PRODUCTS INC.
STREET : 131 Hartwell Avenue
CITY/STATE/ZIP: Lexington, MA 02173

REPRESENTATIVE: Christine Swanson
TITLE: Vice Pres., Corp. Relations
PHONE: (617) 863-5800

DESCRIPTION:
DESIGNMANAGER is a dictionary driven data and enterprise modeling system for logical and physical database design.

CATEGORY:
_ SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 4300, 30XX, PCMs
OPERATING SYSTEM REQUIRED FOR OPERATION: VS1, MVS, MVS/XA, DOS/VSE, VM/CMS
COMPUTER: _ MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 990K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: DASD

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
X IN USE BY 50+ FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: upon request X PURCHASE PRICE: varies w/OS

REFERENCES: COMPANY: 1) ________ 2) ________
CONTACT: 1) ________ 2) ________
TELEPHONE: 1) ________ 2) ________

COMMENTS: See next page.

COMMENTS:

PURCHASE PRICE: OS - from $20,000; DOS - $12,000

The package includes documentation, training and consultancy. The maintenance fee is 12% of current sales price per year.

DESIGNMANAGER is an automated dictionary driven tool for logical and physical data base design, which reconciles top-down and bottom-up design approaches. End user and application requirements are input as user views, while the enterprise model is input in the form of the entities that comprise the organization. The dependencies they contain are merged into the designer's workbench, where they are used to generate a third normal form conceptual schema.

The Conceptual Schema may be represented either as a network schema or as a relational schema, so providing logical data base designs for network, hierarchical and relational data bases. Numerous plots, graphs, maps and reports are available to depict the schema, including various forms of user defined output. First cut physical designs can be generated for IMS (DL/1) data bases, and source language can be generated for direct input to SQL/DS and DB2 database creation/definition utilities.

DESIGNMANAGER is enhanced by the use of CONTROLMANAGER, another tool from Manager Software Products, Inc.

NAME OF AID: PROJECTMANAGER
ACRONYM: PMR

COMPANY: MANAGER SOFTWARE PRODUCTS INC.
STREET : 131 Hartwell Avenue
CITY/STATE/ZIP: Lexington, MA 02173

REPRESENTATIVE: Christine Swanson
TITLE: Vice Pres., Corp. Relations
PHONE: (617) 863-5800

DESCRIPTION:
PROJECTMANAGER is a project resource management and budgetary management system.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 4300, 30XX, PCMs
OPERATING SYSTEM REQUIRED FOR OPERATION: VS1, MVS, MVS/XA, DOS/VSE
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 60K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: DASD

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
X IN USE BY 10 FIRMS
_ TRAINING

PRICE: X MONTHLY LEASE: upon request
X PURCHASE PRICE: varies w/OS

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

PURCHASE PRICE: OS - $20,000; DOS - $12,000

The package includes documentation, training and consultancy. The maintenance fee is 12% of current sales price per year.

PROJECTMANAGER is a project resource and budget management system which generates easily understood, user tailorable progress reports. Projects are divided into their component tasks, and the resources and activities required for project completion are detailed. Resource utilization is monitored according to the time taken, the cost of materials and productivity criteria, while anticipated future expenses can be projected. The system generates summary and detail reports of all activities, and can be used to highlight inconsistencies and incomplete data in budgets and schedules.

NAME OF AID: SOURCEMANAGER ACRONYM: SMR

COMPANY: MANAGER SOFTWARE PRODUCTS INC.
STREET : 131 Hartwell Avenue
CITY/STATE/ZIP: Lexington, MA 02173

REPRESENTATIVE: Christine Swanson
TITLE: Vice Pres., Corp. Relations
PHONE: (617) 863-5800

DESCRIPTION:
SOURCEMANAGER is a dictionary driven pre-compiler and program development system for COBOL environment.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 4300, 30XX, PCMs
OPERATING SYSTEM REQUIRED FOR OPERATION: VS1, MVS, MVS/XA, DOS/VSE, VM/CMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 512K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: DASD

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ____________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
X IN USE BY 5+ FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: upon request X PURCHASE PRICE: varies w/OS

REFERENCES: COMPANY: 1) ____________ 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

PURCHASE PRICE: OS - from $20,000; DOS - from $12,000

The package includes documentation, training and consultancy. The maintenance fee is 12% of current sales price per year.

SOURCEMANAGER is an on-line dictionary driven COBOL program development system. It helps programmers quickly develop efficient, reliable code in the following ways:

- automatically generates the Identification, Environment and Data Divisions of COBOL programs using current dictionary definitions;
- helps programmers build a library of re-usable source code which can be called into programs as required;
- allows installation-wide use of standard abbreviations for COBOL phrases;
- generates segment I/O areas, PCB masks and SSAs for IMS (DL/1) programs;
- enforces standards for formats, style and data descriptions;
- eliminates the use of inefficient verbs or constructs;
- generates up to date dictionary reports about current data and programs in the system;
- interfaces directly to the PANVALET and LIBRARIAN source library management systems.

SOURCEMANAGER is supplied in conjunction with CONTROLMANAGER, the interactive end user facility. SOURCEMANAGER may also be integrated with DATAMANAGER and DESIGNMANAGER, so that the best possible use can be made of the dictionary resource.

CONTROLMANAGER, DATAMANAGER and DESIGNMANAGER are all tools from Manager Software Products, Inc.

NAME OF AID: TESTMANAGER
ACRONYM: TMR

COMPANY: MANAGER SOFTWARE PRODUCTS INC.
STREET : 131 Hartwell Avenue
CITY/STATE/ZIP: Lexington, MA 02173

REPRESENTATIVE: Christine Swanson
TITLE: Vice Pres., Corp. Relations
PHONE: (617) 863-5800

DESCRIPTION:
TESTMANAGER is a test facility for modular/structured programs.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 4300, 30XX, PCMs
OPERATING SYSTEM REQUIRED FOR OPERATION: VS1, MVS, MVS/XA, DOS/VSE
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 22K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: DASD

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ____________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
X IN USE BY 10 FIRMS
_ TRAINING

PRICE: X MONTHLY LEASE: upon request
X PURCHASE PRICE: varies w/OS

REFERENCES: COMPANY: 1) ____________ 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

PURCHASE PRICE: OS - from $20,000; DOS - from $12,000

The package includes documentation, training and consultancy. The maintenance fee is 12% of current sales price per year.

TESTMANAGER is a test facility for structured programs, and allows individual modules of a program to be tested in batch or interactive environments. It is operating system independent and may be used with programs written in Assembler, COBOL, FORTRAN, and PL/1. TESTMANAGER executes a chosen module according to user supplied directions and test data, then displays the results. Its special features include:

- multiple tests of one or more entry points per run;
- data formatting and manipulations;
- validation of input test data;
- file creation and display;
- simulation of non-present lower modules or segments;
- program error control and diagnosis;
- user control over printed output;
- result checking by parameter content comparison.

NAME OF AID: RAMIS II
ACRONYM: ________

COMPANY: Martin Marietta Info Tech Div.
STREET : P.O. Box 2392
CITY/STATE/ZIP: Princeton, NJ 08540

REPRESENTATIVE: Etta Levine
TITLE: Marketing Editor
PHONE: (609) 799-2600

DESCRIPTION:
RAMIS II is a fourth-generation information storage and retrieval system that provides the facilities necessary for the design and operation of information systems in an online or time-sharing environment.

CATEGORY:
X SIMULATION
_ DESIGN
X CODE GENERATION
X TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM S/370 series, PC/370 series
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS (OS), VM, DOS/VSE, VM/PC
COMPUTER: X MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: see comments

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 1800 FIRMS
X TRAINING

PRICE:
X MONTHLY LEASE: see comments
X PURCHASE PRICE: see comments

REFERENCES:
COMPANY: 1) Princeton Plaza Physics 2) FMC Corporation
CONTACT: 1) Jane H. Birtwhistle 2) Douglas R. Mayword
TELEPHONE: 1) (609) 683-2000 2) (214) 689-7408

COMMENTS: See next page.

COMMENTS:

INTERNAL STORAGE: 282K (OS), 431K (VM)

LANGUAGE OF AID: Own nonprocedural language, menu-driven English

MONTHLY LEASE: 4.0% of single payment fee
PURCHASE PRICE: $45,000-90,000 - mainframe, $1,395.00 - micro

The system includes: a knowledge-based artificial intelligence component; micro-to-mainframe link; data maintenance facilities through a single command; syntax and/or menu-activated reporting; low- and/or high-resolution business graphics; statistical analysis interface; formatted screens; full relational capabilities; data communications monitor; full-screen online program development system, system building executive, and integrated data dictionary aid applications developers; ensures data integrity; ideal information center tool; directly accesses data in ISAM, VSAM, sequential files, and ADABAS, DL/1, IDMS, IMS, and TOTAL data bases; version available for the PC/370 family.

NAME OF AID: UFO

ACRONYM:

COMPANY: Martin Marietta Info Tech Div.
STREET : P.O. Box 2392
CITY/STATE/ZIP: Princeton, NJ 08540

REPRESENTATIVE: Ron Love
TITLE: Marketing Writer
PHONE: (609) 779-2600

DESCRIPTION:
UFO is a completely online system for creating, executing, securing, and documenting online programming applications under CICS/VS or IMS/DC.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 30XX, 43XX, and PCMs
OPERATING SYSTEM REQUIRED FOR OPERATION: OS/VS1/VS2/SVS/MVS, DOS/VS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 170K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY:

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY:

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
X PUBLIC DOMAIN
X IN USE FOR 10 YEARS
X DEMONSTRATIONS
_ PRIVATE DOMAIN
X IN USE BY 1800 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: see comments X PURCHASE PRICE: see comments

REFERENCES:	1)	2)
COMPANY:	Blue Cross/Blue Shield	Knight Publishing
CONTACT:	Ken Raasch	Mike Presley
TELEPHONE:	(317) 263-4740	(704) 379-6850

COMMENTS: See next page.

COMMENTS:

MONTHLY LEASE: $10,000.00 - DOS; $14,000.00 - OS.
PURCHASE PRICE: $27,000.00 - DOS; $38,000.00 - OS (CICS);
$60,000.00 OS (IMS/DC).

CICS/VS and IMS/DC applications are developed interactively in UFO and verified immediately, giving the programmer real-time programming response. UFO provides automatic access to DL/1 data bases. Preprogrammed functions perform standard online functions. UFO provides men-assisted development without programming. An executive inquiry facility allows end-users to make ad hoc requests against files. A high-level procedural language extends logic for unique and/or complex applications. UFO provides security of the applications development environment, filed level validator for edit checking and data integrity, online interactive debugger for real-time tracing, and verification of a UFO program's procedural logic, and automatic record initialization.

NAME OF AID: Computer Assisted Self-Training

ACRONYM: CAST

COMPANY: Master Class Corporation

STREET : 1721 Black River Boulevard

CITY/STATE/ZIP: Rome, NY 13440

REPRESENTATIVE: Kathleen M. Olney

TITLE: Marketing

PHONE: (315) 337-1000

DESCRIPTION:
CAST is an authoring system which provides a tool to create highly interactive Computer Aided Instruction/Computer Based Training.

CATEGORY:
- ☐ SIMULATION
- ☐ DESIGN
- ☐ CODE GENERATION
- ☐ TESTING
- ☐ MAINTENANCE
- ☐ DOCUMENTATION
- ☐ OPERATION
- ☐ PERFORMANCE MEASURE
- ☒ SUPPLEMENTAL SUPPORT
- ☐ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: any that supports UNIX

OPERATING SYSTEM REQUIRED FOR OPERATION: UNIX or UNIX-like

COMPUTER: ☒ MAINFRAME ☒ MINI ☒ MICRO

RESOURCES REQUIRED:
128K INTERNAL STORAGE (BYTES)
1/4Mb EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID:
- ☐ COBOL
- ☐ FORTRAN
- ☐ PL/1
- ☐ BASIC
- ☐ ASSEMBLER
- ☒ OTHER; SPECIFY: C

DOCUMENTATION:
- ☐ TECHNICAL PAPER
- ☐ MAINTENANCE MANUAL
- ☐ SPECIFICATION (DEV/PLAN)
- ☒ USER MANUAL
- ☐ TEST/PLAN PROCEDURE
- ☐ FULL DOCUMENTATION

ACCESSIBILITY:
- ☐ PUBLIC DOMAIN
- ☐ IN USE FOR ___ YEARS
- ☐ DEMONSTRATIONS
- ☒ PRIVATE DOMAIN
- ☒ IN USE BY 20 FIRMS
- ☐ TRAINING

PRICE: ☐ MONTHLY LEASE: ____ ☒ PURCHASE PRICE: One time fee

REFERENCES:
COMPANY: 1) Computer Curriculum Corp. 2) Northeastern Ohio Univs.
CONTACT: 1) Ms. Nancy Smith 2) Dr. James Gilliam
TELEPHONE: 1) written request 2) written request

COMMENTS: See next page.

COMMENTS:

Included among CAST's features are windowing, the ability to direct standard manufacturer audio/video devices, and the ability to direct and respond to available UNIX processes through piping of standard input/output channels.

CAST allows both computer novices and experienced programmers to create training on any type of equipment that supports a UNIX or UNIX-like operating system such as XENIX, VENIX, ONYX, Berkeley 4.1 and 4.2, COHERENT, UNIX Systems III and V UNIX Version 7. The user can also pass on training as a run-time script under MS-DOS.

NAME OF AID: DFDdraw ACRONYM: ___

COMPANY: McDonnell Douglas Prof Serv Co REPRESENTATIVE: Ann McCarthy
STREET : P.O. Box 516 TITLE: Sr. Section Manager
CITY/STATE/ZIP: St. Louis, MO 63166 PHONE: (314) 232-1778/(800) 325-1087

DESCRIPTION:
This is a PC-based graphics package designed specifically to draw and edit Data Flow Diagrams. All symbols needed to draw DFD's are pre-defined. System is menu-driven.

CATEGORY:
_ SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC, XT, AT or compatibles
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS 2.0 or above
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: 256K INTERNAL STORAGE (BYTES)
___ EXTERNAL STORAGE (BYTES)
___ OTHER; SPECIFY: ___

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ___

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 500 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ___ X PURCHASE PRICE: $500.00

REFERENCES: COMPANY: 1) available upon request 2) ___
CONTACT: 1) ___ 2) ___
TELEPHONE: 1) ___ 2) ___

COMMENTS: See next page.

COMMENTS:

DFDdraw allows the user to link software which facilitates the communication of DFD diagram information between STRADIS/DRAW on a mainframe. DFDdraw is available with a STRADIS/DRAW license.

NAME OF AID: STRADIS/DRAW ACRONYM: ____

COMPANY: McDonnell Douglas Prof Serv Co
STREET : P.O. Box 516
CITY/STATE/ZIP: St. Louis, MO 63166

REPRESENTATIVE: Ann McCarthy
TITLE: Sr. Secion Manager
PHONE: (314) 232-1778 /(800) 325-1087

DESCRIPTION:
This is an interactive graphics system used to draw and edit Data Flow Diagrams, System Structure Charts and Free-Form Diagrams. All symbols needed to construct DFD's and SSC's are predefined. Free-Form function provides graphic symbols that can be used to document data base layouts, system run charts, data models, etc.

CATEGORY:
_ SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370 compatible
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS/TSO or VM/CMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 600K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
X MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 30 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $1,650.00 X PURCHASE PRICE: $25,000.00

REFERENCES: COMPANY: 1) available upon request 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

STADIS/DRAW allows the user to link software which facilitates the communication of DFD diagram information between STRADIS/DRAW on a mainframe. DFDdraw is delivered with each copy of STRADIS/DRAW.

NAME OF AID: COPYMACS
ACRONYM: ______

COMPANY: Mgmt. & Computer Services, Inc
STREET : 74 Great Valley Corporate Ctr.
CITY/STATE/ZIP: Valley Forge, PA 19482
REPRESENTATIVE: ______
TITLE: Technical/Marketing Rep.
PHONE: (215) 648-0730

DESCRIPTION:
COPYMACS is a utility program which replaces IEBGENER.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
_ MAINTENANCE
_ DOCUMENTATION
X OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 360/370, 4300/3000
OPERATING SYSTEM REQUIRED FOR OPERATION: OS, OS/VS1, OS/VS2, MVS, MVS/XA
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 16 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 1100 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ______ _ PURCHASE PRICE: ______

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

COPYMACS benefits include:

1) 40% to 60% reduction in CPU time and elapsed time, depending on record format and blocking factors;

2) Complete compatibility with IEBGENER JCL requirements; at users' option, user can replace IEBGENER with COPYMACS, and immediately enjoy the processing advantages without changing any existing JCL. COPYMACS lists record counts, data set names, DCB attributes, and volume serial numbers for each input and output file. COPYMACS generates comprehensive and meaningful messages and diagnostics. COPYMACS detects many conditions that cause IEBGENER to abend and issues an error message rather than an abend dump.

COPYMACS offers new functional capabilities: any number of copy functions can be initiated in a single job step; input files may be copied to multiple output files (maximum of 10); "concatenation" of non-compatible device type files is possible.

NAME OF AID: CROSSMACS ACRONYM: ______

COMPANY: Mgmt. & Computer Services, Inc REPRESENTATIVE: ______
STREET : 74 Great Valley Corporate Ctr. TITLE: Technical/Marketing Rep.
CITY/STATE/ZIP: Valley Forge, PA 19482 PHONE: (215) 648-0730

DESCRIPTION:
CROSSMACS is a cross-reference generator for COBOL programs. It has been designed to increase the productivity of the programming staff by improving the printed output of the COBOL compiler, which substantially reduces debugging time.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 360/370, 4300/3000
OPERATING SYSTEM REQUIRED FOR OPERATION: OS/DOS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID: X COBOL _ PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 10 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 140 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ______ X PURCHASE PRICE: $2,500-3,500

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

CROSSMACS uses the sequence numbers generated by most COBOL compilers to create in-line or imbedded cross-reference data. In the DATA DIVISION, a listing of all the places a name is used appears in the right-hand margin adjacent to the DATA DIVISION name. In the PROCEDURE DIVISION, the locations of the names used in the statement also appear in the right-hand margin. This cross-reference data can reduce the time required to follow program logic and simplify program maintenance. In some cases, this programming aid can reduce the time required to follow the logic of the program by fifty percent.

NAME OF AID: DATAMACS - DATAMACS II ACRONYM: ________

COMPANY: Mgmt. & Computer Services, Inc REPRESENTATIVE: ________
STREET : 74 Great Valley Corporate Ctr. TITLE: Technical/Marketing Rep.
CITY/STATE/ZIP: Valley Forge, PA 19482 PHONE: (215) 648-0730

DESCRIPTION:
DATAMACS is a flexible test data generator for COBOL programs. It generates all types of files (including VSAM and databases), creates hierarchical record structures, and changes field values automatically.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM, PCM, Honeywell, Univac
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS/OS, GCOS, EXC 8
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ________

LANGUAGE(S) OF AID: X COBOL _ PL/1 X ASSEMBLER
X FORTRAN _ BASIC _ OTHER; SPECIFY: ________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 16 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 1100 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ________ X PURCHASE PRICE: $9500-26.000

REFERENCES: COMPANY: 1) ________ 2) ________
CONTACT: 1) ________ 2) ________
TELEPHONE: 1) ________ 2) ________

COMMENTS: See next page.

COMMENTS:

DATAMACS can be used in a load-and-go or stand-alone environment. DATAMACS input consists of simple instructions inserted in COBOL record descriptions. Data is created using both the test data parameters and information from the select statement and file definition. Data may be built "from scratch" or selected from production files and optionally modified. An Extended File Processor provides the ability to match, merge or compare files, create related files or update a file in-place. DATAMACS will assign check digits to selected fields, and interface with IMS, TOTAL, and IDMS data base management systems.

DATAMACS/IDMS allows users of Cullinet Software's IDMS data base management system to modify, unload or reload existing data bases. It also allows IDMS users to utilize selective extractions of files rather than live data bases. Similar support is available for IMS users as well.

Maintenance is included in a lease/purchase price for first year; thereafter 15% of existing purchase price at time of renewal. One day of training is included with purchase.

DATAMACS II is a test data generator for COBOL programs, which replaces the use of live data files for testing. It generates sequential and indexed-sequential files, hierarchically related files, and changes field values automatically. DATAMACS II accepts as input, a complete or partial COBOL program with embedded DATAMACS control statements. These control statements, which contain *DM in columns 7-9, making them transparent to the COBOL compiler, are written in a COBOL-like language specifying the contents and quantity of test data to be generated.

DATAMACS II creates a COBOL program which, when compiled and executed, generates the test data files(s). In addition to creating test data solely from the data definitions in the COBOL program, DATAMACS II is also capable of reading an existing input file, selecting records to be used as a test file and modifying them in accordance with the DATAMACS control statements.

The lease/purchase terms are identical to those for DATAMACS. One-half day of training is included with purchase.

NAME OF AID: ESTIMACS

ACRONYM: ______

COMPANY: Mgmt. & Computer Services, Inc
STREET : 74 Great Valley Corporate Ctr.
CITY/STATE/ZIP: Valley Forge, PA 19482

REPRESENTATIVE: ______
TITLE: Technical/Marketing Rep.
PHONE: (215) 648-0730

DESCRIPTION:
ESTIMACS is an interactive tool which assists in the development of estimates for mainframe software system projects through successive refinement and analysis.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC/XT
OPERATING SYSTEM REQUIRED FOR OPERATION: PC DOS
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
X BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 3 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 300 FIRMS
X TRAINING

PRICE:
_ MONTHLY LEASE: ______
X PURCHASE PRICE: $15,000/copy

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

The ESTIMACS products allow the system developer and system user to construct and analyze project estimates in a short time period. Color graphics are used to demonstrate relationships between inputs and forecasts for a variety of organizational purposes.

ESTIMACS is made of seven components:

- The system development effort estimator estimates software development effort in terms of total effort hours.
- The staffing and cost estimator estimates manpower needed in terms of personnel at each skill level over the software product life cycle and related costs.
- The hardware configuration estimator estimates hardware configuration requirements in terms of required CPU power and I/O components.
- The portfolio estimator estimates the cumulative resource needs and related costs for a long term business plan projects.
- The maintenance estimator estimates the total project maintenance effort in hours, based on the original effort estimate for the system undergoing maintenance.
- The financial estimator estimates the breakeven point, return on investment, and net present value for the proposed system.
- The risk estimator measures the risk of a project by size, structure and technology and illustrates the overall risk of the project.

NAME OF AID: JCLMACS ACRONYM: __________

COMPANY: Mgmt. & Computer Services, Inc REPRESENTATIVE: ____________________
STREET : 74 Great Valley Corporate Ctr. TITLE: Technical/Marketing Rep.
CITY/STATE/ZIP: Valley Forge, PA 19482 PHONE: (215) 648-0730

DESCRIPTION:
JCLMACS is an OS JCL standardizer and cross-referencing aid. JCLMACS provides reference documents that will enhance the users capability to identify resource utilization, providing the ability to manage the impact of change, and increasing staff productivity.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 360/370, 4300/3000
OPERATING SYSTEM REQUIRED FOR OPERATION: OS, OS/VS1, OS/VS2, MVS, MVS.XA
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ____________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 8 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY 200 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: __________ X PURCHASE PRICE: $3,500.00

REFERENCES: COMPANY: 1) ____________________ 2) ____________________
CONTACT: 1) ____________________ 2) ____________________
TELEPHONE: 1) ____________________ 2) ____________________

COMMENTS: See next page.

COMMENTS:

JCLMACS provides key software services necessary to help maintain production or test JCL in partitioned datasets. JCLMACS provides the ability to:

- List card image members of partitioned datasets;
- List calling JCL with procedure expansion;
- Cross-reference and PDS Library;
- Cross-reference card deck job streams;
- Make one pass naming convention changes to PDS Libraries; and
- Clean up JCL.

JCLMACS has four major components: the PDS Processor, the Cross-Reference, the Editor, and the JCL Standardizer Modules. The Editor Module has been enhanced to allow the user to change strings of data for parameter lists and control cards.

Maintenance included in lease-purchase price for first year; thereafter, 15% of existing purchase price at time of renewal.

NAME OF AID: PAINTMACS ACRONYM: ________

COMPANY: Mgmt. & Computer Services, Inc

STREET : 74 Great Valley Corporate Ctr.

CITY/STATE/ZIP: Valley Forge, PA 19482

REPRESENTATIVE: ____________________

TITLE: Technical/Marketing Rep.

PHONE: (215) 648-0730

DESCRIPTION:
PAINTMACS is an interactive screen painter.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
X TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 360/370, 4300/3000
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS/OS, VM/CMS, MVS, VSE, VS1, VS2, VS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________________

LANGUAGE(S) OF AID: X COBOL _ FORTRAN _ PL/1 _ BASIC _ ASSEMBLER _ OTHER; SPECIFY: __________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 1 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 20 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: __________ X PURCHASE PRICE: $5,000-6,000

REFERENCES: COMPANY: 1) ____________ 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

PAINTMACS is a screen painter that requires little CICS knowledge. The user signs on to PAINTMACS and literally "paints" a CICS screen. The attributes for each field are assigned according to the user's previously defined defaults. At any time the user can enter a split screen mode to view or alter any field attributes. All screens are stored so that they can be easily altered in the future using the PAINTMACS "dabble" option.

PAINTMACS generates a standard BMS map. While PAINTMACS was intended to be used with PROMACS/CICS, the generated maps can be used with any CICS program.

NAME OF AID: PLANMACS ACRONYM: ______

COMPANY: Mgmt. & Computer Services, Inc REPRESENTATIVE: ______
STREET : 74 Great Valley Corporate Ctr. TITLE: Technical/Marketing Rep.
CITY/STATE/ZIP: Valley Forge, PA 19482 PHONE: (215) 648-0730

DESCRIPTION:
PLANMACS is an expert planning and knowledge-based project management system for software development.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC/XT
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: ______ INTERNAL STORAGE (BYTES)
______ EXTERNAL STORAGE (BYTES)
______ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID: _ COBOL _ PL/1 _ ASSEMBLER
_ FORTRAN X BASIC _ OTHER; SPECIFY: ______

DOCUMENTATION: _ TECHNICAL PAPER _ USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) X FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN X PRIVATE DOMAIN
X IN USE FOR 1 YEARS X IN USE BY 20 FIRMS
X DEMONSTRATIONS X TRAINING

PRICE: _ MONTHLY LEASE: ______ X PURCHASE PRICE: $15,000/copy

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

PLANMACS is made up of three components:

1. The PLANNER uses expert system techniques to produce comprehensive baseline project plans.

2. Working from the baseline plan, PLANMACS allows project leaders to quickly produce the work plans necessary to execute according to schedule and budget.

3. Using the generated action plans, PLANMACS monitors project progress and report status.

By performing the job of an expert planner, PLANMACS lets the manager spend more time on direct management activities and less time on project paperwork.

NAME OF AID: PROMACS/CICS ACRONYM: __________

COMPANY: Mgmt. & Computer Services, Inc REPRESENTATIVE: __________
STREET : 74 Great Valley Corporate Ctr. TITLE: Technical/Marketing Rep.
CITY/STATE/ZIP: Valley Forge, PA 19482 PHONE: (215) 648-0730

DESCRIPTION:
PROMACS is a free-form, high-level programming language which uses powerful macros that generate a structured CICS COBOL program which the user compiles and executes. Once generated, the CICS command level COBOL is totally independent of PROMACS.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 360/370, 4300/3000
OPERATING SYSTEM REQUIRED FOR OPERATION: OS/DOS, VM/CMS, MVS, VSE, VS1/VS2, VS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: __________

LANGUAGE(S) OF AID: X COBOL _ PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: __________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 5 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 70 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: __________ X PURCHASE PRICE: $18-24,000

REFERENCES: COMPANY: 1) __________ 2) __________
CONTACT: 1) __________ 2) __________
TELEPHONE: 1) __________ 2) __________

COMMENTS: See next page.

COMMENTS:

PROMACS/CICS allows the user to incorporate his own COBOL logic or called subroutines if desired. It can improve programmer productivity for a wide range of software chores, i.e., in utility programs, maintaining systems, creating reports quickly and accurately, and developing new systems.

PROMACS/CICS includes an interactive screen builder. Screen maps generated in any other way can also be used with PROMACS-generated programs. The PROMACS/CICS language provides all major functions, including support for a variety of file structures: ISAM, VSAM, IMSTDL/1; the ability to copy source statements from a COBOL library; comprehensive arithmetic operations; and the ability to call subroutines.

One-half of a day's training is included with the purchase.

NAME OF AID: SYSTEMACS
ACRONYM:

COMPANY: Mgmt. & Computer Services, Inc
STREET : 74 Great Valley Corporate Ctr.
CITY/STATE/ZIP: Valley Forge, PA 19482

REPRESENTATIVE:
TITLE: Technical/Marketing Rep.
PHONE: (215) 648-0730

DESCRIPTION:
SYSTEMACS is a methodology for the design and implementation of information systems.

CATEGORY:
☐ SIMULATION
☒ DESIGN
☐ CODE GENERATION
☐ TESTING
☐ MAINTENANCE
☐ DOCUMENTATION
☐ OPERATION
☐ PERFORMANCE MEASURE
☐ SUPPLEMENTAL SUPPORT
☐ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: any
OPERATING SYSTEM REQUIRED FOR OPERATION: any
COMPUTER: ☒ MAINFRAME ☐ MINI ☐ MICRO

RESOURCES REQUIRED:
INTERNAL STORAGE (BYTES)
EXTERNAL STORAGE (BYTES)
OTHER; SPECIFY:

LANGUAGE(S) OF AID: ☐ COBOL ☐ FORTRAN ☐ PL/1 ☐ BASIC ☐ ASSEMBLER ☐ OTHER; SPECIFY:

DOCUMENTATION:
☐ TECHNICAL PAPER
☐ MAINTENANCE MANUAL
☐ SPECIFICATION (DEV/PLAN)
☐ USER MANUAL
☐ TEST/PLAN PROCEDURE
☒ FULL DOCUMENTATION

ACCESSIBILITY:
☐ PUBLIC DOMAIN
☒ IN USE FOR 8 YEARS
☒ DEMONSTRATIONS
☒ PRIVATE DOMAIN
☒ IN USE BY 75 FIRMS
☐ TRAINING

PRICE: ☐ MONTHLY LEASE:
☒ PURCHASE PRICE: $22,500.00

REFERENCES: COMPANY: 1) 2)
CONTACT: 1) 2)
TELEPHONE: 1) 2)

COMMENTS: See next page.

COMMENTS:

The SYSTEMACS approach provides project management by objectives and measurable milestones for both new development work and maintenance. SYSTEMACS includes fitting purchased applications into the life cycle, and also guarantees a continual upgrading of pre-existing systems and programs.

Materials include the standards manual, training text, handbook of illustrations, user guide, reference card and report prototype generator. SYSTEMACS fully conforms to IBM's MADP.

NAME OF AID: TRACMACS/CICS - TRACMACS II
ACRONYM: ______

COMPANY: Mgmt. & Computer Services, Inc
STREET : 74 Great Valley Corporate Ctr.
CITY/STATE/ZIP: Valley Forge, PA 19482
REPRESENTATIVE: ______
TITLE: Technical/Marketing Rep.
PHONE: (215) 648-0730

DESCRIPTION:
TRACMACS is designed to help system designers and programmers audit the quality and completeness of software testing and test data to assure that a program has been thoroughly tested.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 360/370 4300/3000, Honeywell, Univac
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS/OS, GCOS, EXEC8
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 50 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ______
X PURCHASE PRICE: $12-26,000

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

TRACMACS is a logic path analyzer that shows at the condition statement level which paths have yet to be tested; which decision paths were executed (IF-THEN-ELSE) and in what sequence; and charts the number of times the true or false branches were executed. Thus, TRACMACS provides a complete audit of each program execution at the conditional level.

TRACMACS directly attacks the high cost of testing and maintaining programs. In combination with DATAMACS, the Automatic Test Data Generator, it provides an invaluable test resource -- DATAMACS to create the test data; TRACMACS to audit the results.

TRACMACS can be used in the maintenance environment for existing programs to document what a program is actually doing. This leads to improved levels of quality assurance as changes can be thoroughly tested and proved before being made operational. Costly reruns are avoided and ongoing maintainability is significantly simplified.

The built-in TRAPMACS facility allows users to optionally cause dynamic monitoring of the test run for program interrupts. If an interrupt occurs, it is analyzed to determine correctibility and corrected if possible. Diagnostic information is produced for later problem determination, and execution continues.

TRACMACS is now available in a CICS environment to provide testing results for online systems.

NAME OF AID: TRAPMACS ACRONYM: ______

COMPANY: Mgmt. & Computer Services, Inc REPRESENTATIVE: ______
STREET : 74 Great Valley Corporate Ctr. TITLE: Technical/Marketing Rep.
CITY/STATE/ZIP: Valley Forge, PA 19482 PHONE: (215) 648-0730

DESCRIPTION:
This is a programmer's testing aid that addresses the problem of abends which occur during the testing process.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 360/370 4300/3000, Honeywell, Univac
OPERATING SYSTEM REQUIRED FOR OPERATION: OS/VS1, OS/MVS, DOS/OS, EXEC 8, GCOS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: ______ INTERNAL STORAGE (BYTES)
______ EXTERNAL STORAGE (BYTES)
______ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID: X COBOL _ PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 2 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 15 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ______ X PURCHASE PRICE: $4,000-6,000

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

TRAPMACS is engineered to intercept abnormal conditions -- those errors which usually result in storage dumps -- either for the purpose of automatically correcting the error or for providing sufficient diagnostic information to solve the problem quickly.

Non-fatal abends, such as data exceptions, are corrected automatically by TRAPMACS and execution is permitted to continue. Fatal abends, or those that TRAPMACS cannot correct, are intercepted and diagnosed for user resolution. Complete diagnostic information is produced in both cases, giving "English" interpretations of the abend itself, as well as all internal control block information gathered from the operating system. (This is presented in JCL format to facilitate ease of use.)

The English narrative integrated with the TRAPMACS software incorporates both the Systems Messages and Codes manual and the "IEC" Messages manual into a common message file utilized by the TRAPMACS software. In addition, the user may supplement diagnostic information with their own in-house considerations.

Use of TRAPMACS in an organization can result in savings in computer time, programmer debugging time, and the amount of paper consumed by storage dumps. A typical abend analysis with TRAPMACS consumes no more than five pages, if printed. In most cases, printing can be bypassed, as the reports are formatted in 80 print positions to enable debugging to be done right at the terminal.

TRAPMACS is available on IBM and IBM-compatible mainframes supporting OS/VS1 and OS/MVS and DOS operating systems.

NAME OF AID: Ada Syntax Checker
ACRONYM: ____________

COMPANY: MicroProgramming, Inc.
STREET : P.O. Box 3356
CITY/STATE/ZIP: Chatsworth, CA 91313

REPRESENTATIVE: R. Marsh
TITLE: Sales Manager
PHONE: (818) 993-6475

DESCRIPTION:
This syntax checker provides a fast way to check the syntax of an Ada program. It finds undeclared identifiers and identifiers which are declared but never used.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC or compatible
OPERATING SYSTEM REQUIRED FOR OPERATION: MS-DOS
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED:
256K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: 1 or 2 360K disk drives

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: Ada

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: $900.00

REFERENCES:
COMPANY: 1) available upon request 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

This product is supplied as part of the JANUS/Ada compiler ("D" Pak).

Ada is a registered trademark of the U.S. Government, Ada Joint Program Office.

NAME OF AID: Ada Tutorial ACRONYM: M.A.T.

COMPANY: MicroProgramming, Inc.
STREET : P.O. Box 3356
CITY/STATE/ZIP: Chatsworth, CA 91313

REPRESENTATIVE: R. Marsh
TITLE: Sales Manager
PHONE: (818) 993-6475

DESCRIPTION:
This is a computer-based interactive tutorial on the Ada language.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: ____
OPERATING SYSTEM REQUIRED FOR OPERATION: MS-DOS, CP/M
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: 64K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: 360+K diskette

LANGUAGE(S) OF AID: _ COBOL _ PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC X OTHER; SPECIFY: Ada

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 100+ FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: $49.95

REFERENCES: COMPANY: 1) available upon request 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

This is an introduction to the Ada language. Upon completion the student is able to write programs using the Ada constructs.

Ada is a registered trademark of the U.S. Government, Ada Joint Program Office.

NAME OF AID: Compilation Order Tool ACRONYM: CODER

COMPANY: MicroProgramming, Inc. REPRESENTATIVE: R. Marsh
STREET : P.O. Box 3356 TITLE: Sales Manager
CITY/STATE/ZIP: Chatsworth, CA 91313 PHONE: (818) 993-6475

DESCRIPTION:
CODER derives a legal compilation order for a collection of Ada compilation units. The source code is used to determine all the units that need to be compiled.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC or compatible
OPERATING SYSTEM REQUIRED FOR OPERATION: MS-DOS
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: 256K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: 1 or 2 306K disk drives

LANGUAGE(S) OF AID: _ COBOL _ PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC X OTHER; SPECIFY: Ada

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY many FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ___________ X PURCHASE PRICE: $900.00

REFERENCES: COMPANY: 1) available upon request 2) ___________
CONTACT: 1) ___________ 2) ___________
TELEPHONE: 1) ___________ 2) ___________

COMMENTS: See next page.

COMMENTS:

This tool is a part of the JANUS/Ada compiler "D" Pak.

Ada is a registered trademark of the U.S. Government, Ada Joint Program Office.

NAME OF AID: EFIND
ACRONYM: ____

COMPANY: MicroProgramming, Inc.
STREET : P.O. Box 3356
CITY/STATE/ZIP: Chatsworth, CA 91313
REPRESENTATIVE: R. Marsh
TITLE: Sales Manager
PHONE: (818) 993-6475

DESCRIPTION:
EFIND performs sophisticated pattern matching in test files, using patterns specified by a technique called "regular expressions".

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC or compatible
OPERATING SYSTEM REQUIRED FOR OPERATION: MS-DOS
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: 256K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: 1 or 2 360K disk drives

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: any

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: $900.00

REFERENCES: COMPANY: 1) available upon request 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

EFIND is a tool provided with the JANUS/Ada compiler "D" Pak.

EFIND is useful for looking for instances of specific identifiers and for unifying many kinds of file modifications.

Ada is a registered trademark of the U.S. Government, Ada Joint Program Office.

NAME OF AID: Pascal to Ada Translator ACRONYM: PASTRAN

COMPANY: MicroProgramming, Inc. REPRESENTATIVE: R. Marsh
STREET : P.O. Box 3356 TITLE: Sales Manager
CITY/STATE/ZIP: Chatworth, CA 91313 PHONE: (818) 993-6475

DESCRIPTION:
This product takes programs written in standard Pascal and converts them to Ada. Converting Pascal programs to Ada allows the use of the Ada modularity features to simplify maintenance of the programs, without doing a total rewrite.

CONVERSION TOOL:
X TRANSLATOR
_ CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
_ SIMULATION
_ DESIGN
X CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

SOURCE HARDWARE:
TARGET HARDWARE:
SOURCE SOFTWARE: Pascal
TARGET SOFTWARE: Ada

HARDWARE/MODEL REQUIRED FOR OPERATION: any IBM-PC or compatible
OPERATING SYSTEM REQUIRED FOR OPERATION: MS-DOS
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: 256K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: 1 or 2 360K floppy disk drives

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: Ada

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 100+ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: $400.00

REFERENCES: COMPANY: 1) available upon request 2)
CONTACT: 1) 2)
TELEPHONE: 1) 2)

COMMENTS: See next page.

COMMENTS:

Most Pascal features are translated; untranslatable features are flagged in the output source code.

Ada is a registered trademark of the U.S. Government, Ada Joint Program Office.

NAME OF AID: ACCOLADE
ACRONYM: __________

COMPANY: Multiplications Software, Inc.
STREET : 50 Church Street
CITY/STATE/ZIP: Cambridge, MA 02138
REPRESENTATIVE: David M. Alschuler
TITLE: Vice President, Marketing
PHONE: (617) 547-8050

DESCRIPTION:
ACCOLADE is an application development system for building, testing and executing CICS and PC-DOS real time applications.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
X TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: __________
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS, VS1, DOS/VSE, PC-DOS
COMPUTER: X MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: __________

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: __________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 4 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 70 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: __________
X PURCHASE PRICE: varies

REFERENCES:
COMPANY: 1) Merubini America Corp. 2) Exxon Company
CONTACT: 1) Bernard Weinsaft 2) Robert Channon
TELEPHONE: 1) (212) 599-7199 2) (703) 656-3881

COMMENTS: See next page.

COMMENTS:

PURCHASE PRICE: OS - $39,000; DOS - $28,000; PC-DOS - $1,500

ACCOLADE provides complete facilities on the mainframe (under CICS) and the PC (under PC-DOS) to develop, test, and execute applications. These applications are portable between operating systems at the specifications and source code (COBOL) levels.

NAME OF AID: FileManager
ACRONYM: FM

COMPANY: MUMPS Users' Group
STREET : 4321 Hartwick Road, #510
CITY/STATE/ZIP: College Park, MD 20740

REPRESENTATIVE: Don Piccone
TITLE: Data Processing Department
PHONE: (301) 779-6555

DESCRIPTION:
This is a data base management package written in MUMPS language.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: ____________
OPERATING SYSTEM REQUIRED FOR OPERATION: MUMPS
COMPUTER: _ MAINFRAME X MINI X MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: MUMPS

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
X PUBLIC DOMAIN
X IN USE FOR 4 YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: $50.00

REFERENCES: COMPANY: 1) ____________ 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

The FileManager is a package of "data base" routines written in Standard MUMPS which can be used as a stand-alone "programmerless" data base management system or as a set of application utilities. FM is designed to help handle the information-processing jobs that are encountered over and over again in building online systems. It allows the user to define new files and add new attributes to existing files, to enter, edit and delete data within those files, and then to list or search the file for any combination of data elements.

Included in the FM package are the %INDEX automatic documentation routines. The %INDEX automatic documentation routines not only produce lists of variables used by routines and expanded code listings, but also check syntax.

FM is available through the MUMPS Users' Group Prototype Application Library (MUGPAL). (Tapes from the MUGPAL are available to members of the MUMPS Users' Group and are distributed on 7-inch reels of magnetic tape, labelled or unlabelled, 800 or 1600 bpi, ASCII, 1024 or 2048 bytes per physical record.) Both user (55 pages) and technical (28 pages) documentation for FM is provided on paper and machine readable form with the FM tape for $50. The printed form of the documentation may be purchased separately for $15.

FM is also available on floppy disks of several different sizes and formats from Richard F. Walters, Ph.D., Division of Computer Science, University of California, Davis, California 95616.

NAME OF AID: HIBOL
ACRONYM: ______

COMPANY: Nixdorf Computer Software Co.
STREET : 6517 Everglades Drive
CITY/STATE/ZIP: Richmond, VA 23225
REPRESENTATIVE: Jerry Dearing
TITLE: Manager, Marketing & Sales
PHONE: (804) 276-9200

DESCRIPTION:
HIBOL is an online code generator which produces transportable source code and BMS mapping. Productivity increase is at least 20%.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
X TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 4300, 30XX; IBM compatibles
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS/VSE, MVS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
350K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: CICS or TCP/SHADOW and VSAM

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 1 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 20 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ______
X PURCHASE PRICE: $20-30,000

REFERENCES: COMPANY: 1) Zotos International 2) ______
CONTACT: 1) John Hines 2) ______
TELEPHONE: 1) (203) 656-7854 2) ______

COMMENTS: None

NAME OF AID: Online Data Entry
ACRONYM: ODE

COMPANY: Nixdorf Computer Software Co.
STREET : 6517 Everglades Drive
CITY/STATE/ZIP: Richmond, VA 23225
REPRESENTATIVE: John Dearing
TITLE: Manager, Marketing & Sales
PHONE: (804) 276-9200

DESCRIPTION:
ODE is an interactive menu-driven online data entry system with full "screen-painting" facilities, security, job submission capabilities, and user-exit routines.

CATEGORY:
☐ SIMULATION
☐ DESIGN
☐ CODE GENERATION
☐ TESTING
☐ MAINTENANCE
☐ DOCUMENTATION
☒ OPERATION
☐ PERFORMANCE MEASURE
☐ SUPPLEMENTAL SUPPORT
☐ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 4300, 30XX; IBM compatible
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS/VSE, MVS
COMPUTER: ☒ MAINFRAME ☐ MINI ☐ MICRO

RESOURCES REQUIRED: 40K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: CICS and VSAM

LANGUAGE(S) OF AID: ☒ COBOL ☒ PL/1 ☒ ASSEMBLER
☐ FORTRAN ☐ BASIC ☐ OTHER; SPECIFY: ____________

DOCUMENTATION:
☐ TECHNICAL PAPER
☐ MAINTENANCE MANUAL
☐ SPECIFICATION (DEV/PLAN)
☒ USER MANUAL
☐ TEST/PLAN PROCEDURE
☒ FULL DOCUMENTATION

ACCESSIBILITY:
☐ PUBLIC DOMAIN
☒ IN USE FOR 2 YEARS
☒ DEMONSTRATIONS
☒ PRIVATE DOMAIN
☒ IN USE BY 50 FIRMS
☒ TRAINING

PRICE: ☐ MONTHLY LEASE: ____________ ☒ PURCHASE PRICE: $12.5-18.500

REFERENCES: COMPANY: 1) B.F. Goodrich 2) Tampa Electric
CONTACT: 1) Henry Humor 2) Donna Chernoff
TELEPHONE: 1) (216) 447-6435 2) (813) 228-1112

COMMENTS: None

NAME OF AID: TAPE UTILITY ACRONYM: TAPUTL

COMPANY: PDS Systems
STREET : 1207 Springfield Pike
CITY/STATE/ZIP: Cincinnati, OH 45215
REPRESENTATIVE: Barry Bergwall
TITLE: ____
PHONE: (513) 761-3880

DESCRIPTION:
TAPUTL is a utility that can be used to perform a backup restore and map of a magnetic tape.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
X OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: TI Business Systems
OPERATING SYSTEM REQUIRED FOR OPERATION: DX10/DNOS
COMPUTER: _ MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: 64KB INTERNAL STORAGE (BYTES)
134KB EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID: _ COBOL _ PL/1 X ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 200 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: $500.00

REFERENCES: COMPANY: 1) National Computer 2) Lockheed-Georgia
CONTACT: 1) Paul Butticaz 2) George Moore
TELEPHONE: 1) (404) 391-1700 2) (404) 424-2558

COMMENTS: See next page.

COMMENTS:

The purchase price of $500.00 is for the first copy. For the second through fourth copies, each is $250.00.

Features include: the flexibility to backup directories from many disks during one TAPUTL run; the ability (once those backups are on tape) to select and restore specific files or directories as needed. Some backup utilities require restoring an entire tape (or tapes); the ability to bypass tape errors and continue to successfully complete a restoration. Many utilities abort upon encountering an error, causing the loss of all data past that point.

NAME OF AID: CONPAX ACRONYM: ________

COMPANY: Pennington Systems, Inc. REPRESENTATIVE: Stephen F. Heffner
STREET : 65 S. Main Street, Bldg. C TITLE: President
CITY/STATE/ZIP: Pennington, NJ 08534 PHONE: (609) 737-2727

DESCRIPTION:
CONPAX is a utility that converts PDP-11 assembly code to VAX-11 "native mode".

CONVERSION TOOL: _ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: ________________
TARGET HARDWARE: ________________
SOURCE SOFTWARE: PDP-11 assembly code
TARGET SOFTWARE: VAX-11 "native mode"

HARDWARE/MODEL REQUIRED FOR OPERATION: PDP-11 or VAX-11
OPERATING SYSTEM REQUIRED FOR OPERATION: RSX, VMS, RSTS, UNIX
COMPUTER: _ MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ________________

LANGUAGE(S) OF AID: _ COBOL _ PL/1 _ ASSEMBLER
X FORTRAN _ BASIC _ OTHER; SPECIFY: ________

DOCUMENTATION: _ TECHNICAL PAPER _ USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) X FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN X PRIVATE DOMAIN
X IN USE FOR 5 YEARS X IN USE BY 35 FIRMS
X DEMONSTRATIONS X TRAINING

PRICE: _ MONTHLY LEASE: ________ X PURCHASE PRICE: $7,500.00

REFERENCES: COMPANY: 1) ________________ 2) ________________
CONTACT: 1) ________________ 2) ________________
TELEPHONE: 1) ________________ 2) ________________

COMMENTS: See next page.

COMMENTS:

In the conversion process, CONPAX uses addressing modes and other information from the PDP-11 assembly code to produce the VAX-11 conversion for each line, including generation of multi-line alternatives when appropriate. CONPAX automatically handles details such as octal constants, ASCII literals, and register names, and includes a general macro capability that can be invoked at conversion time.

The conversion process is heavily table-driven, and the conversion tables can be "tuned" by the user to a specific programming environment.

NAME OF AID: XFORM ACRONYM: ______

COMPANY: Pennington Systems, Inc.
STREET : 65 S. Main Street, Bldg. C
CITY/STATE/ZIP: Pennington, NJ 08534

REPRESENTATIVE: Amanda T. Wright
TITLE: ______
PHONE: (609) 737-2727

DESCRIPTION:
XFORM is a library of subroutines which provide terminal-independent screen forms, field attribute capabilities and video I/O capabilities for the applications programmer.

CATEGORY:
_ SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC, IBM, D6, others
OPERATING SYSTEM REQUIRED FOR OPERATION: ______
COMPUTER: _ MAINFRAME X MINI X MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: C

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 100+ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ______ X PURCHASE PRICE: upon request

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

XFORM (formerly SCRNIO/11) is an application program development tool that provides terminal-independent screen forms and video I/O for the applications programmer, through a library of subroutines and an interactive, menu-driven screen form editor. XFORM includes input processing and error checking capabilities. XFORM-based programs and screen forms are portable across a wide variety of computers and operating systems.

Screen forms can be either disk-resident or memory-resident, and can be used interactively on a video terminal or printed. Multiple forms can divide the terminal screen horizontally or vertically.

XFORM's two-level design also provides non-form video terminal input/output with full cursor control, including partial screen scrolling and video attributes such as reverse video or blink.

XFORM eliminates much of the programming job as well as the maintenance job, since changes in screen forms, field attributes, and even the terminal model usually require no program maintenance.

NAME OF AID: IDSS 2.0 - Version P ACRONYM: IDSS

COMPANY: Pritsker & Associates, Inc. REPRESENTATIVE: Dr. David Yancey
STREET : P.O. Box 2413 TITLE: Director
CITY/STATE/ZIP: W. Lafayette, IN 47906 PHONE: (317) 463-5557

DESCRIPTION:
IDSS 2.0 is an interactive decision and simulation support system. Models of production systems, procedural systems, personnel, etc. are graphically constructed as networks.

CATEGORY:
X SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: VAX 11
OPERATING SYSTEM REQUIRED FOR OPERATION: VMS
COMPUTER: _ MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
4.6Mb EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: Graphics devices optional

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: DCL

DOCUMENTATION:
X TECHNICAL PAPER
X MAINTENANCE MANUAL
X SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 2 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 7 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $833.00 _ PURCHASE PRICE: ____________

REFERENCES: COMPANY: 1) AT&T Bell Labs 2) U.S. Air Force
CONTACT: 1) Mr. Joe Sitarik 2) Lt. Robert Carringer
TELEPHONE: 1) (215) 770-2223 2) (513) 255-6976

COMMENTS: See next page.

COMMENTS:

IDSS incorporates analysis decomposition, simulation, statistical analysis, graphics, data base management, and animation.

Support is available for IDSS 2.0 through membership in an IDSS User's Group. Members receive supported software, supported documentation, a telephone hot-line, periodic updates, and information about applications.

P&A offers training in the application of simulation and IDSS 2.0. Consulting is also available for analysis support and problem solving.

NAME OF AID: Progeni Tools ACRONYM: __________

COMPANY: Progeni Systems, Inc. REPRESENTATIVE: Floyd L. Campbell
STREET : 715 North Central Avenue TITLE: Vice President
CITY/STATE/ZIP: Glendale, CA 91203 PHONE: (818) 956-0251

DESCRIPTION:
This is a full fourth generation language for all Burroughs mainframes.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
X TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: Burroughs
OPERATING SYSTEM REQUIRED FOR OPERATION: MCP
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 100KB INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________________

LANGUAGE(S) OF AID: X COBOL _ PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: __________

DOCUMENTATION:
_ TECHNICAL PAPER
X MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 5 YEARS
X DEMONSTRATIONS
_ PRIVATE DOMAIN
X IN USE BY 50 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $1,000-2,500 X PURCHASE PRICE: $30-60,000

REFERENCES: COMPANY: 1) Lamar Corporation 2) Programming Consultants
CONTACT: 1) Chuck Barkow 2) Bill Hartig
TELEPHONE: 1) (504) 926-1000 2) (215) 357-4998

COMMENTS: See next page.

COMMENTS:

This is a fully featured fourth generation language that runs on all Burroughs mainframes. It works in both new developments and in maintenance and support of existing third generation COBOL programs. The product is available for a thirty day trial, including all training necessary to effectively test the product in an existing environment.

NAME OF AID: STROBE ACRONYM: ____

COMPANY: Programart REPRESENTATIVE: Gilbert F. Curtis
STREET : 30 Brattle Street TITLE: ____
CITY/STATE/ZIP: Cambridge, MA 02138 PHONE: (617) 661-3020

DESCRIPTION:
STROBE monitors a program while it runs to show where performance improvements can be made.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 3000, 4000 series
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS, MVS/XA, DOS/VSE
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 1Mb INTERNAL STORAGE (BYTES)
5Mb EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID: X COBOL _ PL/1 X ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 100+ FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: $15.5-40,000

REFERENCES: COMPANY: 1) available upon request 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

The program monitored can be batch, online, or even system software such as CICS, IMS, etc. The analysis includes execution time in both summary and detail reports, I/O facility usage and wait time by file, time distribution and overlap of CPU and I/O facilities, and direct access utilization by cylinder. For online systems (CICS and others), CPU time is also shown by transaction.

STROBE reports are in tabular and histogram form. Summary-level execution time reports show the percentage of total CPU time spent by module and section names, names for supervisor functions, IOCS routines, as well as user written modules and sections. Detailed execution rports of user code show the program procedure names and line numbers for COBOL, Fortran, PL/I, and Assembler language.

The MVS Central Version feature allows measurement to be initiated through an operator's console or TSO termial. Continuously running systems may be monitored whenever their performance is unsatisfactory.

STROBE is used at the Internal Revenue Service, Bureau of Labor Statistics and other agencies, as well as major firms in the private sector. References are available upon request.

NAME OF AID: Software Lifecycle Management
ACRONYM: SLIM

COMPANY: Quantitative Software Mgmt.
STREET : 1057 Waverly Way
CITY/STATE/ZIP: McLean, VA 22101

REPRESENTATIVE: ______
TITLE: ______
PHONE: ______

DESCRIPTION:
A software investment management tool, SLIM can be used for estimating, planning, reliability forecasts, risk assessment, productivity measurement, audits, and project control.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC, XT, AT
OPERATING SYSTEM REQUIRED FOR OPERATION: PC DOS 2.0 and up
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: 256K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
X BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 7 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $35,000/yr. X PURCHASE PRICE: N/A

REFERENCES: COMPANY: 1) Sperry DSD 2) NCR SE Retail
CONTACT: 1) Ed Talford 2) Dave Siefert
TELEPHONE: 1) ______ 2) ______

COMMENTS: None

NAME OF AID: EXITDOS ACRONYM: ___

COMPANY: Rand Information Systems, Inc. REPRESENTATIVE: Mr. Bruce Binder
STREET : 1201 Harbor Bay Parkway TITLE: Product Manager
CITY/STATE/ZIP: Alameda, CA 94501 PHONE: (415) 769-5800

DESCRIPTION:
EXITDOS is a complete system for the conversion of IBM programs and JCL from a DOS to an MVS environment. All aspects of a DOS to MVS migration are covered, including project planning, conversion of programs and data bases, generation of JCL and generation of documentation.

CONVERSION TOOL: X TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: ___
TARGET HARDWARE: ___
SOURCE SOFTWARE: IBM DOS
TARGET SOFTWARE: IBM MVS

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS, MVS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: ___ INTERNAL STORAGE (BYTES)
___ EXTERNAL STORAGE (BYTES)
___ OTHER; SPECIFY: ___

LANGUAGE(S) OF AID: X COBOL X PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ___

DOCUMENTATION: _ TECHNICAL PAPER _ USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) X FULL DOCUMENTATION

ACCESSIBILITY: X PUBLIC DOMAIN _ PRIVATE DOMAIN
X IN USE FOR 5 YEARS X IN USE BY 15 FIRMS
X DEMONSTRATIONS X TRAINING

PRICE: X MONTHLY LEASE: upon request X PURCHASE PRICE: upon request

REFERENCES: COMPANY: 1) available upon request 2) ___
CONTACT: 1) ___ 2) ___
TELEPHONE: 1) ___ 2) ___

COMMENTS: None

NAME OF AID: Rand Conversion Center
ACRONYM: RCC

COMPANY: Rand Information Systems, Inc.
STREET : 1201 Harbor Bay Parkway
CITY/STATE/ZIP: Alameda, CA 94501

REPRESENTATIVE: Mr. Chris Ehemann
TITLE: Product Manager
PHONE: (415) 769-5800

DESCRIPTION:
The Rand Conversion Center is a set of interactive and batch software tools which facilitates and supports software conversion and software improvement.

CONVERSION TOOL:
X TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
_ SIMULATION
_ DESIGN
X CODE GENERATION
X TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

SOURCE HARDWARE: ____________
TARGET HARDWARE: ____________
SOURCE SOFTWARE: ____________
TARGET SOFTWARE: ____________

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 4341, 3082, 308X
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS SP 1.3
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: TSO/ISPF, 3270 terminals

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
X PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
X PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
X DEMONSTRATIONS
_ PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: upon request X PURCHASE PRICE: upon request

REFERENCES:
COMPANY: 1) available upon request 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

The Rand Conversion Center provides automated capabilities and access to software tools organized by workbenches. A workbench is a set of tools presented in the form of a menu and associated with a particular role or function being performed (conversion, programmer, analyst/designer, data base administrator, project manager, software improvement). The open ended architecture of RCC facilitates the integration of the software tools into a cohesive framework.

The following are some of the types of tools and facilities provided by RCC: General Information Facility, JCL Generator, COBOL Reformatter, Partitioned Data Set Utility, File Comparison and Test Verification, Program Interrupt Trap, Percentage of Execution Measurement, and Source Line Program Cross-Reference.

Optional facilities such as Rand's COBOL translator "TRANSIT", an automated software inventory system and conversion cost eliminating model, are also available for use with RCC. These products are licensed separately.

NAME OF AID: Rand Development Center ACRONYM: RDC

COMPANY: Rand Information Systems, Inc. REPRESENTATIVE: Mr. Chris Ehemann
STREET : 1201 Harbor Bay Parkway TITLE: Product Manager
CITY/STATE/ZIP: Alameda, CA 94501 PHONE: (415) 769-5800

DESCRIPTION:
The Rand Development Center is a set of interactive tools which facilitate and control data processing systems management cohesively and powerfully.

CATEGORY:
_ SIMULATION
X DESIGN
X CODE GENERATION
X TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 43XX and larger
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS SP 1.3, IDMS or IMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: ISPF/TSO, 3270 terminals, VSAM

LANGUAGE(S) OF AID: X COBOL X PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ____________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
X PUBLIC DOMAIN
X IN USE FOR 1 YEARS
X DEMONSTRATIONS
_ PRIVATE DOMAIN
X IN USE BY 3 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: upon request X PURCHASE PRICE: upon request

REFERENCES: COMPANY: 1) available upon request 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

The tools in the Rand Development Center provide automated capabilities organized by workbenches. A workbench is a set of tools presented in the form of a menu associated with a particular role or function (programmer, analyst/designer, data base administrator, user or project manager) being performed within the applicatons development process.

Some of the facilities provided in the RDC are: General Information Facility, Cullinet Interface, IDD Input, JCL Generation, Program Generation, Prototyping, Testing and Change Control Tracking.

NAME OF AID: TRANSIT ACRONYM: ________

COMPANY: Rand Information Systems, Inc. REPRESENTATIVE: Mr. Lee Allen
STREET : 1201 Harbor Bay Parkway TITLE: Product Manager
CITY/STATE/ZIP: Alameda, CA 94501 PHONE: (919) 848-9801

DESCRIPTION:
TRANSIT is a COBOL application software translator which translates COBOL program syntax, data files, data bases from non-IBM to IBM environments.

CONVERSION TOOL: X TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: ________
TARGET HARDWARE: ________
SOURCE SOFTWARE: non-IBM COBOL
TARGET SOFTWARE: IBM COBOL

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM, Burroughs, Honeywell, Univac
OPERATING SYSTEM REQUIRED FOR OPERATION: ________
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: ____ INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ________

LANGUAGE(S) OF AID: X COBOL _ PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ________

DOCUMENTATION: _ TECHNICAL PAPER _ USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) X FULL DOCUMENTATION

ACCESSIBILITY: X PUBLIC DOMAIN _ PRIVATE DOMAIN
X IN USE FOR 10 YEARS X IN USE BY 46 FIRMS
X DEMONSTRATIONS X TRAINING

PRICE: X MONTHLY LEASE: upon request X PURCHASE PRICE: upon request

REFERENCES: COMPANY: 1) available upon request 2) ________
CONTACT: 1) ________ 2) ________
TELEPHONE: 1) ________ 2) ________

COMMENTS: None

NAME OF AID: SoftCost-R ACRONYM: ________

COMPANY: Reifer Consultants, Inc.
STREET : 25550 Hawthorne Blvd.
CITY/STATE/ZIP: Torrance, CA 90505

REPRESENTATIVE: D. Reifer
TITLE: President
PHONE: (213) 373-8728

DESCRIPTION:
This is a parametric software cost estimation tool that allows the user to accurately predict cost and schedule and conduct "what-if" analysis on the IBM PC.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC, PC/XT, PC/AT
OPERATING SYSTEM REQUIRED FOR OPERATION: MS DOS 2 and 3
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: 192K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: C

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
X SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 20 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: __________ X PURCHASE PRICE: $2,500.00

REFERENCES:	1)	2)
COMPANY:	Jet Propulsion Lab	Westinghouse
CONTACT:	Dr. Robert Tausworthe	Leon Young
TELEPHONE:	(818) 354-2773	(301) 765-8097

COMMENTS: See next page.

COMMENTS:

SoftCost-R consists of a screen editor, a hybrid parametric software cost estimation model and a flexible report generator with Gantt/PERT charting capabilities. Program size, complexity, management, staffing and environment factors are separately estimated via a menu-oriented questionnaire which prompts users to interactively insert required parametric data. Local "help" is provided via split screens, and function keys are used to simplify the man/machine interface.

SoftCost-R is legacy or inherited software. The model computes an equivalent size using a formulation which takes into account new, modified, deleted and re-tested modules.

Reasonableness checks bounding effective productivity are built into the model so that its answers can be fit to actual client experiences.

SoftCost-R has a report generation capability which can generate the following six types of output: SoftCost Resource Report, "What-If" Analysis Report, "What-If" Plots, Input Value Summary Report, Project Estimate Summary Report, and Work Breakdown Structure Report.

Site and corporate license arrangements are available.

SoftCost-R is fully supported with doccumentation by an established software tools firm and quality training and consulting support is available. Full maintenance is also available as part of the licensing agreement.

NAME OF AID: COBOL Automated Verification System
ACRONYM: CAVS

COMPANY: Rome Air Development Center
STREET : RADC/COEE
CITY/STATE/ZIP: Griffiss AFB, NY 13441

REPRESENTATIVE: Deborah Cerino
TITLE: Computer Scientist
PHONE: (315) 330-2054

DESCRIPTION:
CAVS is a software tool designed to improve the reliability and maintainability of COBOL software systems. It was developed for the purpose of assuring that software systems written in COBOL are comprehensively tested.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: VAX 11/780, Honeywell H6000
OPERATING SYSTEM REQUIRED FOR OPERATION: VMS, GCOS
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
7680K EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ______ _ PURCHASE PRICE: ______

REFERENCES:		
COMPANY:	1) Rome Air Development Ctr.	2) Rome Air Development Ctr.
CONTACT:	1) Deborah Cerino	2) Frank S. laMonica
TELEPHONE:	1) (315) 330-2054	2) (315) 330-2054

COMMENTS: See next page.

COMMENTS:

CAVS was designed for use during the software development and maintenance phases (e.g., program coding, verification, error detection and correction, and retesting phases of the software development life cycle).

In the static analysis mode of operation, CAVS will process input source code written in COBOL X3.23-1968, COBOL X3.23-1974, and structured COBOL (i.e., COBOL software containing structured programming constructs per RADC-TR-74-300). It will provide information regarding detection of unreachable statements, set/use errors, mode conversion errors and external reference errors. In the dynamic analysis mode of operation, the source code can be instrumented, recompiled, dynamically executed to provide the user with execution coverage analysis reports (e.g., statistics pertinent to statement/branch execution, timing, input/output, etc.) and effectiveness of test case generation. CAVS operates in both batch and interactive (on-line CRT) modes.

Accessibility of Tool: Release of this tool is subject to Air Force Regulation 300-6.

NAME OF AID: FORTRAN Automated Verification System
ACRONYM: FAVS

COMPANY: Rome Air Development Center
STREET : RADC/COEE
CITY/STATE/ZIP: Griffiss AFB, NY 13441

REPRESENTATIVE: Frank LaMonica
TITLE: Computer Scientist
PHONE: (315) 330-2054

DESCRIPTION:
FAVS is an integrated collection of computer programs. It was developed for the purpose of assuring that software systems written in FORTRAN are comprehensively tested.

CONVERSION TOOL:
X TRANSLATOR
_ CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

SOURCE HARDWARE:
TARGET HARDWARE:
SOURCE SOFTWARE: DMATRAN/FORTRAN
TARGET SOFTWARE: FORTRAN/DMATRAN

HARDWARE/MODEL REQUIRED FOR OPERATION: HONEYWELL H6000
OPERATING SYSTEM REQUIRED FOR OPERATION: GCOS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 252K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY:

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY:

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: _ PURCHASE PRICE:

REFERENCES:

COMPANY:	1) Rome Air Development Ctr.	2) Rome Air Development Ctr.
CONTACT:	1) Frank LaMonica	2) Deborah Cerino
TELEPHONE:	1) (315) 330-2054	2) (315) 330-2054

COMMENTS: See next page.

COMMENTS:

FAVS provides (1) static detection of unreachable statements, set/use errors, mode-conversion errors, and external reference errors, (2) a means of measuring the effectiveness of test cases by source code instrumentation, (3) assistance in the construction of test data that will thoroughly exercise the software, and (4) automated documentation. In order to aid in the production of application software that adheres to modern programming techniques, FAVS also provides for the translation from DMATRAN (a structured extension of FORTRAN) to FORTRAN and from FORTRAN to DMATRAN.

Accessibility of Tool: Release of this tool is subject to Air Force Regulation 300-6.

NAME OF AID: JOVIAL J73 Automated Verification System

ACRONYM: *

COMPANY: Rome Air Development Center
STREET : RADC/COEE
CITY/STATE/ZIP: Griffiss AFB, NY 13441

REPRESENTATIVE: Frank LaMonica
TITLE: Computer Scientist
PHONE: (315) 330-2054

DESCRIPTION:
The J73 AVS is an automated software tool designed to improve the reliability and maintainability of JOVIAL J73 software systems. It provides facilities to support program development, debugging, testing, maintenance and documentation.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: VAX 11/780, IBM 370
OPERATING SYSTEM REQUIRED FOR OPERATION: VMS, OS/MVS
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: 954K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: JOVIAL J73

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____________ _ PURCHASE PRICE: ____________

	1)	2)
REFERENCES: COMPANY:	Rome Air Development Ctr.	Rome Air Development Ctr.
CONTACT:	Frank LaMonica	Deborah Cerino
TELEPHONE:	(315) 330-2054	(315) 330-2054

COMMENTS: See next page.

COMMENTS:

* ACRONYM: JOVIAL J73 AVS

Specifically, the J73 AVS provides the following capabilities: (1) program structure and characteristic reporting, (2) static and data flow analysis, (3) statement performance dynamic analysis, (4) branch, path, and program unit execution coverage analysis, (5) branch and program unit, execution trace analysis, (6) execution timing analysis, (7) structural retesting assistance, (8) test history reporting, (9) logical assertion processing, and (10) automated program documentation.

The J73 AVS provides detailed information, both statically and dynamically, about the program(s) being analyzed. JOVIAL J73 AVS operates in both batch and interactive modes.

Accessibility of Tool: Release of this tool is subject to Air Force Regulation 300-6.

NAME OF AID: JOVIAL J73 Code Auditor ACRONYM: *

COMPANY: Rome Air Development Center
STREET : RADC/COEE
CITY/STATE/ZIP: Griffiss AFB, NY 13441

REPRESENTATIVE: Donald L. Mark
TITLE: Computer Scientist
PHONE: (315) 330-2054

DESCRIPTION:
The primary function of the J73 Code Auditor is to automate the process of detecting discrepancies from good programming practice. The J73 Code Auditor is intended to be used as both a quality assurance and a proper development tool.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370
OPERATING SYSTEM REQUIRED FOR OPERATION: OS/MVS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
__X__ OTHER; SPECIFY: TSO, TSO EDIT (software)

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: JOVIAL J73

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____________ _ PURCHASE PRICE: ____________

REFERENCES: COMPANY: 1) Rome Air Development Ctr. 2) ____________
CONTACT: 1) Donald L. Mark 2) ____________
TELEPHONE: 1) (315) 330-3655 2) ____________

COMMENTS: See next page.

COMMENTS:

* ACRONYM: J73 Code Audit

The J73 Code Auditor is intended to be used as both a quality assurance and a proper development tool. The auditor consists of a computer program and its related files which process JOVIAL (J73) programs to perform syntax recognition in addition to precept validation, and because it performs these functions at a speed comparable to or better than the compiler, the auditor can be used in the first step after code production instead of the compiler. Using the auditor in this way, the programmer can correct syntax errors and precept violations concurrently. By the time the programmer is ready to submit the audited program to the compiler, it will be virtually error free.

Accessibility of Tool: Release of this tool is subject to Air Force Regulation 300-6.

NAME OF AID: JOVIAL J73 Programming Support Library
ACRONYM: J73/PSL

COMPANY: Rome Air Development Center
STREET : RADC/COEE
CITY/STATE/ZIP: Griffiss AFB, NY 13441
REPRESENTATIVE: A.J. Chruscicki
TITLE: Computer Scientist
PHONE: (315) 330-4063

DESCRIPTION:
The J73 PSL is an automated software tool designed to improve the organization of configuration control of JOVIAL J73 software systems. The PSL supports the design, coding, testing, documentation, and code maintenance phases of the software development life cycle.

CATEGORY:
☐ SIMULATION
☐ DESIGN
☒ CODE GENERATION
☐ TESTING
☒ MAINTENANCE
☒ DOCUMENTATION
☐ OPERATION
☐ PERFORMANCE MEASURE
☐ SUPPLEMENTAL SUPPORT
☒ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370
OPERATING SYSTEM REQUIRED FOR OPERATION: OS/MVS
COMPUTER: ☒ MAINFRAME ☐ MINI ☐ MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
☐ COBOL
☐ FORTRAN
☐ PL/1
☐ BASIC
☐ ASSEMBLER
☒ OTHER; SPECIFY: JOVIAL J73

DOCUMENTATION:
☐ TECHNICAL PAPER
☐ MAINTENANCE MANUAL
☐ SPECIFICATION (DEV/PLAN)
☐ USER MANUAL
☐ TEST/PLAN PROCEDURE
☒ FULL DOCUMENTATION

ACCESSIBILITY:
☐ PUBLIC DOMAIN
☐ IN USE FOR ___ YEARS
☐ DEMONSTRATIONS
☒ PRIVATE DOMAIN
☐ IN USE BY ____ FIRMS
☐ TRAINING

PRICE: ☐ MONTHLY LEASE: ____________ ☐ PURCHASE PRICE: ____________

REFERENCES: COMPANY: 1) JOVIAL LCF, ASD/ADOL 2) ____________
CONTACT: 1) Georgeann Chitwood 2) ____________
TELEPHONE: 1) (513) 255-4472 2) ____________

COMMENTS: See next page.

COMMENTS:

Some of the capabilities J73 PSL provides are: A. Seven renameable library levels for storage of code. The level names could be assigned based upon code maturity (e.g., coding, unit test, integration testing, fielded). B. Ability to automatically transmit code to higher library levels, as the code matures. C. Storage capacity for multiple segment groups (e.g., source code, object code, text) on each library level. D. Automated collection of statistical data associated with code development (e.g., number of lines per program module, version number, date originated, last update, etc.) E. Provision for interfacing external software testing tools.

In addition to the above, the PSL has other capabilities associated with data protection schemes, editing, text print-out formatting, and keyword searches.

Accessibility of Tool: Release of this tool is subject to Air Force Regulation 300-6.

NAME OF AID: Quality Measurement Tool ACRONYM: QMT

COMPANY: Rome Air Development Center
STREET : RADC/COEE
CITY/STATE/ZIP: Griffiss AFB, NY 13441

REPRESENTATIVE: Deborah Cerino
TITLE: Computer Scientist
PHONE: (315) 330-2054

DESCRIPTION:
The Quality Measurement Tool (QMT) is an automated software tool designed for use in measuring and recording the overall quality of a software system.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
_ OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: VAX 11/780, HONEYWELL H6000
OPERATING SYSTEM REQUIRED FOR OPERATION: VMS, GCOS
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
3500K EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____________ _ PURCHASE PRICE: ____________

REFERENCES: COMPANY: 1) Rome Air Development Ctr. 2) Rome Air Development Ctr.
CONTACT: 1) Deborah Cerino 2) Roger Dziegiel, Jr.
TELEPHONE: 1) (315) 330-2054 2) (315) 330-4063

COMMENTS: See next page.

COMMENTS:

Metric data items are collected from requirements and design documents and source code, which is then processed by the QMT to provide a quantitative measure of eleven factors in software quality. These factors are reported on during all phases of the software development life-cycle.

The QMT was developed to support the application of quality metrics by providing the following capabilities: (1) automatically (per user direction) obtains some of the required metric data from COBOL-68 source code, (2) stores manually collected data in the same data base as the automatically collected data, and (3) analyzes and reports on the quality of COBOL code according to predefined factors (e.g., portability, reliability, maintainability, flexibility) and metric definitions. The QMT is a standalone tool that does not interface with other tools (such as design, requirments, or project management aids).

Accessibility of tool: Release of this tool is subject to Air Force Regulation 300-6.

NAME OF AID: Application Productivity System
ACRONYM: APS

COMPANY: SAGE Systems, Inc.
STREET : 3200 Monroe Street
CITY/STATE/ZIP: Rockville, MD 20852

REPRESENTATIVE: Philip J. Kiviat
TITLE: Vice President, Fed.Prod.Div.
PHONE: (301) 231-8686

DESCRIPTION:
The Application Productivity System increases programmer productivity in all phases of an application life cycle.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM, Sperry 1100
OPERATING SYSTEM REQUIRED FOR OPERATION: IDMS DB/DC, IMS DB/DC, CICS/VSAM
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 2Mb INTERNAL STORAGE (BYTES)
6Mb EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: Batch: 1500K

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
X PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 50 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ___________ _ PURCHASE PRICE: upon request

REFERENCES: COMPANY: 1) available upon request 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: None

NAME OF AID: Software Design and Documentation Language
ACRONYM: SAIC-SDDL

COMPANY: SAIC
STREET : P.O. Box 2351
CITY/STATE/ZIP: La Jolla, CA 92038

REPRESENTATIVE: Donald Heimburger
TITLE: Product Manager
PHONE: (619) 456-6048

DESCRIPTION:
SAIC-SDDL is a software tool which aids in the design and documentation of complex, structured, information-intensive systems.

CATEGORY:
X SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: VAX, PRIME, Sperry, DEC, IBM PC
OPERATING SYSTEM REQUIRED FOR OPERATION: VMS, PRIMOS, EXEC-8, TOPS, MS/DOS
COMPUTER: X MAINFRAME X MINI X MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
__X__ OTHER; SPECIFY: see comments

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: see comments

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY many FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ___________ X PURCHASE PRICE: see comments

REFERENCES: COMPANY:	1) U.S. Army-Concepts Anal.	2) General Dynamics
CONTACT:	1) Mr. Dave Hurd	2) Mr. Fred Reagor
TELEPHONE:	1) (301) 295-0514	2) (817) 737-1400

COMMENTS: See next page.

COMMENTS:

RESOURCES REQUIRED: Execution memory requirements vary linearly with input file size.

LANGUAGES OF AID: Pascal, SIMSCRIPT, FORTRAN 77

Perpetual license is available: Mainframe and Mini - $5,000.00
Micro - $ 900.00

SAIC-SDDL is a trademark of Science Applications International Corporation.

SAIC-SDDL generates documents in an informative and readable format automatically augmented with summaries such as a table of contents, a module cross-reference listing and a module invocation tree. User-defined cross-references can be easily specified. Processor outputs are enhanced with indentation based on structure logic and arrows accentuating flow of control. This results in a two-dimensional representation which has the best features of a flowchart without the attendant disadvantages.

In the design mode, SAIC-SDDL provides an automated design medium which facilitates communication by allowing user-defined keywords that can be tailored to the particular application and by processing natural language statements. It supports structured design constructs, a top-down approach, as well as the iterative process of software design.

As a source code documentation aid, SAIC-SDDL operates directly with FORTRAN, Pascal, or SIMSCRIPT to produce up-to-date documentation. SAIC-SDDL supports structured programming constructs. Further, by providing a standardized format for viewing software, it facilitates the structured walkthrough, verification and validation.

The SAIC-SDDL processor is coded in Pascal, and has been benchmarked up to 20 times faster than the original version of SDDL. SAIC-SDDL is distributed in executable and binary form, along with test cases and corresponding outputs on a 9-track tape (VAX, DEC10/20, PRIME, Sperry) or a 5-1/4" diskette (IBM PC and compatibles).

NAME OF AID: CL/1 ACRONYM: ______

COMPANY: SDA Federal Systems, Inc.
STREET : 7500 Greenway Center Drive
CITY/STATE/ZIP: Greenbelt, MD 20770

REPRESENTATIVE: Rita Hope Counts
TITLE: Business Development
PHONE: (301) 345-6060

DESCRIPTION:
CL/1 is a multipurpose COBOL program generator capable of enhancing any COBOL programming shop by reducing time schedules, the cost of program development and cost of program maintenance.

CONVERSION TOOL:
_ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
_ SIMULATION
_ DESIGN
X CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

SOURCE HARDWARE: ______
TARGET HARDWARE: ______
SOURCE SOFTWARE: ______
TARGET SOFTWARE: ______

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM, Honeywell, Univac, cont.
OPERATING SYSTEM REQUIRED FOR OPERATION: see comments
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 862K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 10 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 40 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $3,400.00 X PURCHASE PRICE: $45,000.00

REFERENCES: COMPANY: 1) Army Corps of Engineers 2) Maritime Administration
CONTACT: 1) Jim O'Rourke 2) Sue Barbe
TELEPHONE: 1) (202) 653-1500 2) (202) 382-6031

COMMENTS: See next page.

COMMENTS:

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 360/370, 4300, 303X, Honeywell 600/6000, Univac 1100 Series.

OPERATING SYSTEM REQUIRED FOR OPERATION: DOS/VS, DOS/VSE, OS/MVT, VSI, MVS, GCOS, EXEC8.

Documentation also includes an installation guide.

CL/1's inherent portability protects users against costly COBOL conversions in the event of a hardware, software, or operating system replacement. The same CL/1 requests will generate appropriate code for any CL/1 supported equipment or software.

NAME OF AID: NSChart ACRONYM: ____

COMPANY: Siltronix, Inc.
STREET : 1110 Rosecrans
CITY/STATE/ZIP: San Diego, CA 92106

REPRESENTATIVE: Jeff Brown
TITLE: Software Engineer
PHONE: (619) 224-8207

DESCRIPTION:
NSChart is a Macintosh-based flowcharter which produces Nassi-Schneiderman flowcharts from a design language input.

CATEGORY:
_ SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: Apple Macintosh
OPERATING SYSTEM REQUIRED FOR OPERATION: ____
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: 128K INTERNAL STORAGE (BYTES)
50K EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: Pascal

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: upon request

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: None

NAME OF AID: C Programming Environment ACRONYM: C-PE

COMPANY: Softool Corporation
STREET : 340 South Kellogg Avenue
CITY/STATE/ZIP: Goleta, CA 93117

REPRESENTATIVE: ______
TITLE: Sales Department
PHONE: (805) 683-5777

DESCRIPTION:
This is an integrated set of tools for managing, testing, documenting and optimizing C code.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC VAX; Sun Microsystems; HP-9000
OPERATING SYSTEM REQUIRED FOR OPERATION: 4.2 BSD; UNIX; HP-UX
COMPUTER: _ MAINFRAME X MINI X MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: varies with system

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: C

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 1 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 500 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $250-500.00 X PURCHASE PRICE: $3-10,000.00

REFERENCES: COMPANY: 1) available upon request 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

Both monthly lease and purchase price will vary with system.

The C Programming Environment is an integrated collection of tools which address all activities performed during the programming phase of software development. C-PE allows a user to compose substantial protions of an application program from prefabricated code, and to produce a deliverable product that is fully tested, documented, optimized and standardized.

C-PE automates the tedious and repetitive tasks in programming, and produces clear metrics for controlling software development. C-PE includes source code documentors, interface documentors, testing aids, tracing aids, optimizers, and interactive tutorials.

NAME OF AID: Change and Configuration Control

ACRONYM: CCC

COMPANY: Softool Corporation

STREET : 340 South Kellogg Avenue

CITY/STATE/ZIP: Goleta, CA 93117

REPRESENTATIVE:

TITLE: Sales Department

PHONE: (805) 683-5777

DESCRIPTION:
CCC is an automated change control and configuration management environment.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
X OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC VAX, IBM, Honeywell, HP-9000, cont.
OPERATING SYSTEM REQUIRED FOR OPERATION: see comments
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: varies with system

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______________

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 3+ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 500 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $1,500.00 X PURCHASE PRICE: $1500-30,000

REFERENCES: COMPANY: 1) available upon request 2) ______________
CONTACT: 1) ______________ 2) ______________
TELEPHONE: 1) ______________ 2) ______________

COMMENTS: See next page.

COMMENTS:

HARDWARE/MODEL REQUIRED: DEC VAX; IBM 370, 30XX, 43XX; Honeywell 6000, Level 66, and DPS 8; Data General MV Series; Gould S.E.L.; Hewlett Packard-9000; Apollo Domain; Sun Workstation.

OPERATION SYSTEM REQUIRED: VAX/VMS, ULTRIX, 4.2 BSD; VM/CMS, MVS; GCOS 3, GCOS 8; AOS/VS; Gould MPX; HP-UX; Apollo Aegis; UNIX.

Monthly lease and purchase price may vary with system.

CCC provides a comprehensive change control and a full configuration control environment. CCC keeps track of all changes and all configurations of any data that can be represented in machine readable form. Some of CCC's features include automatic reconstruction of previous versions, code control, problem tracking, difference reports, management reports, access control, archiving, compression, encryption, automatic recovery, macro facilities, a host facility, and batch capabilities. CCC is an interactive tool with a user-friendly interface, on-line help, and interactive tutorials.

The configuration control capabilities of CCC include supporting multiple configurations and implementing virtual configurations which result in substantial space savings. Configurations may be manipulated as a whole rather than component by component.

NAME OF AID: COBOL Programming Environment
ACRONYM: CPE

COMPANY: Softool Corporation
STREET : 340 South Kellogg Avenue
CITY/STATE/ZIP: Goleta, CA 93117
REPRESENTATIVE: ____________
TITLE: Sales Department
PHONE: (805) 683-5777

DESCRIPTION:
This an integrated set of tools for managing, testing, documenting, and optimizing COBOL code.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC VAX; Honeywell 6000
OPERATING SYSTEM REQUIRED FOR OPERATION: VMS; GCOS 3, GCOS 8
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_X_ OTHER; SPECIFY: varies with system

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____________

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 3+ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 500 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $450-1,500 X PURCHASE PRICE: $9-33,500.00

REFERENCES: COMPANY: 1) available upon request 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

Both the monthly lease and the purchase price will vary with system.

The COBOL Programming Environment is an integrated collection of tools which address all activities performed during the programming phase of software development. CPE allows a user to produce a deliverable product that is fully tested, documented, optimized, and standardized.

CPE automates the tedious and repetitive tasks in programming, and produces clear metrics for controlling software development. CPE includes source code documenters, structured language, high level preprocessor, interface documentors, testing aids, tracing aids, optimizers, and interactive tutorials.

NAME OF AID: Documenter A ACRONYM: ________

COMPANY: Softool Corporation REPRESENTATIVE: ____________________
STREET : 340 South Kellogg Avenue TITLE: Sales Department
CITY/STATE/ZIP: Goleta, CA 93117 PHONE: (805) 683-5777

DESCRIPTION:
Documenter A aids in source level documentation.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC VAX, IBM, Honeywell, HP-9000, cont.
OPERATING SYSTEM REQUIRED FOR OPERATION: see comments
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: varies with system

LANGUAGE(S) OF AID: _ COBOL _ PL/1 _ ASSEMBLER
X FORTRAN _ BASIC _ OTHER; SPECIFY: ____________

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 6+ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 500 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $450.00 X PURCHASE PRICE: $500-9,000

REFERENCES: COMPANY: 1) available upon request 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

HARDWARE REQUIRED: DEC VAX; IBM 370, 30XX, 43XX; Honeywell 6000, Level 66 and DPS 8; Data General MV Series; Gould S.E.L.; Hewlett Packard - 9000; Apollo Domain; Sun Workstation.

OPERATING SYSTEM REQUIRED: VAX/VMS, ULTRIX, 4.2 BSD; VM/CMS, MVS; GCOS 3, GCOS 8; AOS/VS; Gould MPS; HP-UX; Apollo Aegis; UNIX.

The Documenter A aids and expedites the methodical and uniform documentation of source program units. This compiler-independent tool provides two basic facilities. The first is a mechanism for generating source program documentation units in the format of a template predefined by the user. Source programs are coded in a straightforward, succinct manner, and are presented to Documenter A for automatic expansion into a complete documentation unit as detailed in the predefined template. The secondary facility provided by this tool permits the reuse of standard code or text segments from a central library. This tool serves as an excellent quality assurance instrument which allows management to set, facilitate, and enforce source program documentation standards. Documenter A supports FORTRAN, COBOL, C, and other languages, and is a member of Softool (tm), an integrated set of software tools.

NAME OF AID: FORTRAN Auditor ACRONYM: ____

COMPANY: Softool Corporation REPRESENTATIVE: ____
STREET : 340 South Kellogg Avenue TITLE: Sales Department
CITY/STATE/ZIP: Goleta, CA 93117 PHONE: (805) 683-5777

DESCRIPTION:
This product checks FORTRAN code for compliance with ANSI standards, finds errors, portability problems, and poor programming practices, and provides additional documentation.

CATEGORY: _ SIMULATION X DOCUMENTATION
_ DESIGN _ OPERATION
_ CODE GENERATION _ PERFORMANCE MEASURE
X TESTING _ SUPPLEMENTAL SUPPORT
X MAINTENANCE X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC VAX, IBM, Honeywell, HP-9000, cont.
OPERATING SYSTEM REQUIRED FOR OPERATION: see comments
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: ____ INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: varies with systems

LANGUAGE(S) OF AID: _ COBOL _ PL/1 _ ASSEMBLER
X FORTRAN _ BASIC _ OTHER; SPECIFY: ____

DOCUMENTATION: X TECHNICAL PAPER _ USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) X FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN X PRIVATE DOMAIN
X IN USE FOR 6+ YEARS X IN USE BY 500 FIRMS
X DEMONSTRATIONS X TRAINING

PRICE: X MONTHLY LEASE: $400.00 X PURCHASE PRICE: $500-8,000

REFERENCES: COMPANY: 1) available upon request 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

HARDWARE/MODEL REQUIRED: DEC VAX; IBM 370, 30XX, 43XX; Data General MV Series; Gould S.E.L.; HP-9000; Apollo Domain; Sun Workstation.

OPERATING SYSTEM REQUIRED: VAX VMS; VM/CMS; AOS/VS;MPX; HP-UX; Apollo Aegis; UNIX.

The Auditor automatically audits FORTRAN programs for compliance with user programming standards. It checks for poor programming practices, nonportable code, and deviations from the American National Standards Institute (ANSI) 1977 definition of the FORTRAN language. The Auditor generates automatic program documentation. It is also a powerful error detector which typically detects many errors that escape commercial compilers.

The Auditor requires no modification of any compiler or application program. It accepts as input FORTRAN source programs and provides as output various reports. One feature of the Auditor allows FORTRAN programs intended to run on different target machines to be checked on the host machine on which the Auditor is running.

The Auditor is a member of Softool (tm), an integrated set of software tools.

NAME OF AID: Fortran Automatic Conversion Tools ACRONYM: FACT

COMPANY: Softool Corporation REPRESENTATIVE: ____________
STREET : 340 South Kellogg Avenue TITLE: Sales Department
CITY/STATE/ZIP: Goleta, CA 93117 PHONE: (805) 683-5777

DESCRIPTION:
FACT translates FORTRAN code from one machine dependency to another or from one dialect to another.

CONVERSION TOOL: _ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: ____________
TARGET HARDWARE: ____________
SOURCE SOFTWARE: FORTRAN
TARGET SOFTWARE: FORTRAN

HARDWARE/MODEL REQUIRED FOR OPERATION: ____________
OPERATING SYSTEM REQUIRED FOR OPERATION: ____________
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: varies with system

LANGUAGE(S) OF AID: _ COBOL _ PL/1 _ ASSEMBLER
X FORTRAN _ BASIC _ OTHER; SPECIFY: ____________

DOCUMENTATION: X TECHNICAL PAPER _ USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) X FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN X PRIVATE DOMAIN
X IN USE FOR 4+ YEARS X IN USE BY 500 FIRMS
X DEMONSTRATIONS X TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: $2,000-6,000

REFERENCES: COMPANY: 1) available upon request 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

Softool's FACT (FORTRAN Automatic Conversion Tools) translates FORTRAN programs quickly and accurately and provides complete documentation. FACT will move FORTRAN programs from one computer to another or translate from one dialect to another. In most cases the conversion rate with FACT is 90% or better. The remaining untranslated code is clearly documented, indicating all necessary manual translations.

FACT is available as a stand-alone tool. However, it is recommended that anyone responsible for moving FORTRAN programs from one computer to another obtain the complete transportation package, FACT PLUS, which provides additional tools that automatically handle the more subtle aspects of a conversion effort. These tools provide documentation of operating system dependencies, providing interface documentation, assisting in optimization, and much more.

NAME OF AID: FORTRAN Productivity Library
ACRONYM: ________

COMPANY: Softool Corporation
STREET : 340 South Kellogg Avenue
CITY/STATE/ZIP: Goleta, CA 93117

REPRESENTATIVE: Sales Department
TITLE: ________
PHONE: (805) 683-5777

DESCRIPTION:
This is a FORTRAN application operator with built-in error preventing features.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
X TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC VAX, IBM, Honeywell, HP-9000, cont.
OPERATING SYSTEM REQUIRED FOR OPERATION: see comments
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: varies with system

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ________

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 6+ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 500 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $450.00 X PURCHASE PRICE: $500-9,000

REFERENCES: COMPANY: 1) available upon request 2) ________
CONTACT: 1) ________ 2) ________
TELEPHONE: 1) ________ 2) ________

COMMENTS: See next page.

COMMENTS:

HARDWARE/MODEL REQUIRED: DEC VAX; IBM 370, 30XX, 43XX; Data General MV Series; Gould S.E.L.; HP-9000; Apollo Domain; Sun Workstation.

OPERATING SYSTEM REQUIRED: VAX VMS; VM/CMS; AOS/VS; MPX; HP-UX; Apollo Aegis; UNIX.

The Productivity Library is an application generator. It permits the effective use of prefabricated sections of code. Softool has identified a set of high-level data structures that satisfy the need of a large range of application programs, and has created a library with the routines necessary to manipulate these structures. This library is called the Productivity Library. The user writes programs in terms of these high-level data structures and typically obtains well over 50 percent of the code required for an application automatically from the library. Two versions of the library are available: one that incorporates extensive diagnostics and one that is streamlined for efficient operations. This product includes an interactive interface for data definitions, a dynamic memory management facility, and a number of powerful diagnostic features such as range checking and dynamic flow analysis. The Productivity Library is a member of Softool (tm), an integrated set of software tools.

NAME OF AID: FORTRAN Programming Environment

ACRONYM: FPE

COMPANY: Softool Corporation
STREET : 340 South Kellogg Avenue
CITY/STATE/ZIP: Goleta, CA 93117

REPRESENTATIVE:
TITLE: Sales Department
PHONE: (805) 683-5777

DESCRIPTION:
This is an integrated set of tools for managing, testing, documenting, and optimizing FORTRAN code.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
X TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC VAX, IBM, Honeywell, HP-9000, cont.
OPERATING SYSTEM REQUIRED FOR OPERATION: see comments
COMPUTER: X MAINFRAME X MINI X MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: varies with system

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY:

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 6+ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 500 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $250-1,500 X PURCHASE PRICE: $1500-33,500

REFERENCES: COMPANY: 1) available upon request 2)
CONTACT: 1) 2)
TELEPHONE: 1) 2)

COMMENTS: See next page.

COMMENTS:

HARDWARE/MODEL REQUIRED: DEC VAX; IBM 370, 30XX, 43XX; Data General MV Series; Gould S.E.L.; HP-9000; Apollo Domain; Sun Workstation; IBM-PC and compatibles.

OPERATING SYSTEM REQUIRED: VAX VMS; VM/CMS; AOS/VS; MPX; HP-UX; Apollo Aegis; UNIX; MS-DOS.

Both monthly leases and purchase price will vary with systems.

The FORTRAN Programming Environment is an integrated collection of tools which address all activities performed during the programming phase of software development. FPE allows a user to compose substantial portions of an application program from prefabricated code, and to produce a deliverable product that is fully tested, documented, optimized, and standardized.

FPE automates the tedious and repetitive tasks in programming, and produces clear metrics for controlling software development. FPE includes source code documenters, source code auditors, structured language, application generators, dynamic flow analyzers, range checking, memory managers, interface documenters, testing aids, tracing aids, optimizers, and interactive tutorials.

NAME OF AID: Interface Documenter ACRONYM:

COMPANY: Softool Corporation
STREET : 340 South Kellogg Avenue
CITY/STATE/ZIP: Goleta, CA 93117

REPRESENTATIVE:
TITLE: Sales Department
PHONE: (805) 683-5777

DESCRIPTION:
This tool documents the relationship of all modules in a system.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC VAX, IBM, Honeywell, HP-9000, cont.
OPERATING SYSTEM REQUIRED FOR OPERATION: see comments
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED:
____ INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: varies with system

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY:

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 6+ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 500 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $450.00 X PURCHASE PRICE: $500-9,000

REFERENCES: COMPANY: 1) available upon request 2)
CONTACT: 1) 2)
TELEPHONE: 1) 2)

COMMENTS: See next page.

COMMENTS:

HARDWARE/MODEL REQUIRED: DEC VAX; IBM 370, 30XX, 43XX; Honeywell 6000, Level 66 and DPS 8; Data General MV Series; Gould S.E.L.; Hewlett Packard - 9000; Apollo Domain; Sun Workstation.

OPERATING SYSTEM REQUIRED: VAX/VMS, ULTRIX, 4.2 BSD; VM/CMS, MVS; GCOS 3, GCOS 8; AOS/VS; Gould MPX; HP-UX; Apollo Aegis; UNIX.

The Interface Documenter generates complete documentation of cross-references between modules and identifies interface errors, such as recursions. It reduces debugging and maintenance costs and permits impact of change evaluation.

This software tool accepts as input a collection of object modules and automatically generates clear information indicating all interfaces between the object modules. It produces, for each module, an annotated list of the modules it references, as well as a list of all the modules that reference it. External data items are also documented. This product supports FORTRAN, COBOL, C, and other languages. The Interface Documenter is a member of Softool (tm), an integrated set of software tools.

NAME OF AID: Optimization Instrumenters ACRONYM: ______

COMPANY: Softool Corporation
STREET : 340 South Kellogg Avenue
CITY/STATE/ZIP: Goleta, CA 93117

REPRESENTATIVE: ______
TITLE: Sales Department
PHONE: (805) 683-5777

DESCRIPTION:
The Optimization Instrumenters document what part of code is responsible for what percentage of execution time.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC VAX, IBM, Honeywell, HP-9000, cont.
OPERATING SYSTEM REQUIRED FOR OPERATION: see comments
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_X_ OTHER; SPECIFY: varies with system

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 6+ YEARS
X DEMONSTRATIONS
_ PRIVATE DOMAIN
X IN USE BY 500 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $450.00 X PURCHASE PRICE: $500-9,000

REFERENCES: COMPANY: 1) available upon request 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

HARDWARE/MODEL REQUIRED: DEC VAX; IBM 370, 30XX, 43XX; Honeywell 6000, Level 66 and DPS 8; Data General MV Series; Gould S.E.L.; Hewlett Packard - 9000; Apollo Domain; Sun Workstation.

OPERATING SYSTEM REQUIRED: VAX/VMS, ULTRIX, 4.2 BSD; VM/CMS, MVS; GCOS 8; AOS/VS; Gould MPX; HP-UX; Apollo Aegis; UNIX.

Monthly leases and purchase prices vary with system.

These tools automatically generate execution-time profiles (i.e., reports) or programs, quantifying optimization efforts in detail. They show absolute and relative execution times for subsystems, modules, paragraphs and statements, as well as frequency counts and optimization indices. The Optimization Insturmenters are available for FORTRAN, COBOL and C. FORTRAN and C employ two instrumenters, for routine, paragraph, and statement-level optimization, respectively. These tools require no modification of any compiler or application program. They accept as input source programs and test data, and output clear profiles. These tools permit top-down optimization in a natural manner. They possess a strong management orientation and can have much impact in properly focusing optimization efforts. They serve as an excellent quality assurance facility which allows management to set, facilitate and enforce optimization standards. The Optimization Instrumenters are members of Softool (tm), an integrated set of software tools.

NAME OF AID: Recommended Preprocessor

ACRONYM: ______

COMPANY: Softool Corporation

STREET : 340 South Kellogg Avenue

CITY/STATE/ZIP: Goleta, CA 93117

REPRESENTATIVE: ______

TITLE: Sales Department

PHONE: (805) 683-5777

DESCRIPTION:
This tool is a preprocessor containing high level control structures for FORTRAN and COBOL.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC VAX, IBM, Honeywell, HP-9000, cont.

OPERATING SYSTEM REQUIRED FOR OPERATION: see comments

COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
__X__ OTHER; SPECIFY: varies with system

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 6+ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 500 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $450.00 X PURCHASE PRICE: $500-9,000

REFERENCES: COMPANY: 1) available upon request 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

HARDWARE/MODEL REQUIRED: DEC VAX; IBM 370, 30XX, 43XX; Honeywell 6000, Level 66 and DPS 8; Data General MV Series; Gould S.E.L.; Hewlett Packard - 9000; Apollo Domain; Sun Workstation.

OPERATING SYSTEMS REQUIRED: VAX/VMS, ULTRIX, 4.2 BSD; VM/CMS, MVS; GCOS 3, GCOS 8; AOS/VS; Gould MPX; HP-UX; Apollo Aegis; UNIX.

The Recommended Preprocessor provides an off-the-shelf preprocessor with high-level control structures designed to augment languages such as FORTRAN and COBOL. This preprocessor is the result of extensive programming experience. It was built with the aid of Softool´s Structurizer. The Recommended Preprocessor includes numerous proven error-prevention features. It supports FORTRAN and COBOL. The Recommended Preprocessor is a member of Softool´s integrated set of software tools.

NAME OF AID: Softool
ACRONYM: __________

COMPANY: Softool Corporation
STREET : 340 South Kellogg Avenue
CITY/STATE/ZIP: Goleta, CA 93117
REPRESENTATIVE: __________
TITLE: Sales Department
PHONE: (805) 683-5777

DESCRIPTION:
Softool is an integrated set of tools for software management, development, maintenance and conversion.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
X TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
X PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC VAX, IBM, Honeywell, HP-9000, cont.
OPERATING SYSTEM REQUIRED FOR OPERATION: see comments
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: varies with system

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: __________

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 6+ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 500 FIRMS
X TRAINING

PRICE:
X MONTHLY LEASE: $250-3,000
X PURCHASE PRICE: $1500-63,500

REFERENCES: COMPANY: 1) available upon request 2) __________
CONTACT: 1) __________ 2) __________
TELEPHONE: 1) __________ 2) __________

COMMENTS: See next page.

COMMENTS:

HARDWARE/MODEL REQUIRED: DEC VAX; IBM 370, 30XX, 43XX; Honeywell 6000, Level 66 and DPS 8; Data General MV Series; Gould S.E.L.; Hewlett Packard-9000; Apollo Domain; Sun Workstation.

OPERATING SYSTEM REQUIRED: VAX/VSM, ULTRIX, 4.2 BSD;; VM/CMS, MVS; GCOS 3, GCOS 8; AOS/VS; Gould MPX; HP-UX; Apollo Aegis; UNIX.

Monthly lease and purchase price vary with system.

Softool is a comprehensive environment for software management, development, and maintenance. It also offers a complete change and configuration control environment. Softool consists of an integrated collection of software tools that are hosted on a conventional computer system to create a software development and control facility. Softool supports an explicit distinction between the host environment, where software and documents are developed and controlled, and the target environment, where programs are executed. Softool aids both management and software specialists. It permits management to set, facilitate, and enforce standards, and to obtain visibility and control over software efforts. At the same time, it allows the software builder to concentrate effectively on the software construction process. The tools available with Softool include: change and configuration control, shorthand languages, structured languages, source code auditor, source code documenter, interface documenter, error detectors, libraries of prefabricated code, testing aids, tracing aids, optimizers, dynamic memory managers, flow analyzers, and tutorials. Softool is available off-the-shelf, with the same consistent user interface, for a large number of different computer systems.

NAME OF AID: Structurizer ACRONYM: ________

COMPANY: Softool Corporation
STREET : 340 South Kellogg Avenue
CITY/STATE/ZIP: Goleta, CA 93117

REPRESENTATIVE: ____________
TITLE: Sales Department
PHONE: (805) 683-5777

DESCRIPTION:
Structurizer allows the user to create his own custom preprocessor.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC VAX, IBM, Honeywell, HP-9000, cont.
OPERATING SYSTEM REQUIRED FOR OPERATION: see comments
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: varies with systems

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____________

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 6+ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 500 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $450.00 X PURCHASE PRICE: $500-9,000

REFERENCES:
COMPANY: 1) available upon request 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

HARDWARE/MODEL REQUIRED: DEC VAX; IBM 370, 30XX, 43XX; Honeywell 6000, Level 66 and DPS 8; Data General MV Series; Gould S.E.L.; Hewlett Packard - 9000; Apollo Domain; Sun Workstation.

OPERATING SYSTEM REQUIRED: VAX/VMS, ULTRIX, 4.2 BSD; VM/CMS, MVS; GCOS 3, GCOS 8; AOS/VS; Gould MPX; HP-UX; Apollo Aegis; UNIX.

The Structurizer allows a user to generate custom-made preprocessors which augment FORTRAN or COBOL with control structures defined by the user. This tool is a key to the implementation of an effective structured language facility. The Structurizer is a member of Softool (tm), an integrated set of software tools.

NAME OF AID: Testing Instrumenters ACRONYM: __________

COMPANY: Softool Corporation
STREET : 340 South Kellogg Avenue
CITY/STATE/ZIP: Goleta, CA 93117

REPRESENTATIVE: __________
TITLE: Sales Department
PHONE: (805) 683-5777

DESCRIPTION:
These tools document a test cycle by showing exactly what has been tested, what has not, and how effective the cycle has been.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC VAX, IBM, Honeywell, HP-9000, cont.
OPERATING SYSTEM REQUIRED FOR OPERATION: see comments
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: varies with system

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: __________

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 6+ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 500 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $450.00 X PURCHASE PRICE: $500-9,000

REFERENCES: COMPANY: 1) available upon request 2) __________
CONTACT: 1) __________ 2) __________
TELEPHONE: 1) __________ 2) __________

COMMENTS: See next page.

COMMENTS:

HARDWARE/MODEL REQUIRED: DEC VAX; IBM 370, 30XX, 43XX; Honeywell 6000, Level 66 and DPS 8; Data General MV Series; Gould S.E.L.; Hewlett Packard - 9000; Apollo Domain; Sun Workstation.

OPERATING SYSTEMS REQUIRED: VAX/VMS, ULTRIX, 4.2 BSD; VM/CMS, MVS; GCOS 3, GCOS 8; AOS/VS; Gould MPX; HP-UX; Apollo Aegis; UNIX.

The Testing Instrumenters are tools that automatically generate execution-time profiles (i.e., reports) of programs. The profiles quantify test coverage and test effectiveness in detail. They are available for FORTRAN, COBOL, and C. FORTRAN and C employ two instrumenters, which operate at the routine and statement levels. COBOL employs three instrumenters for routine, paragraph and statement level testing, respectively. These tools require no modification of any compiler or application program. They simply accept as input source programs and test data, and produce as output clear profiles. They permit top-down testing in a natural manner. These products possess a strong management orientation and can have much impact on minimizing the cost of testing. They serve as an excellent quality assurance facility which allows management to set, facilitate, and enforce testing standards. The Testing Instrumenters are members of Softool (tm), an integrated set of software tools.

NAME OF AID: Tracing Instrumenters

ACRONYM:

COMPANY: Softool Corporation
STREET : 340 South Kellogg Avenue
CITY/STATE/ZIP: Goleta, CA 93117

REPRESENTATIVE: Sales Department
TITLE:
PHONE: (805) 683-5777

DESCRIPTION:
Tracing Instrumenters provides clear trace documentation of programs.

CATEGORY:
- _ SIMULATION
- _ DESIGN
- _ CODE GENERATION
- X TESTING
- X MAINTENANCE
- X DOCUMENTATION
- _ OPERATION
- _ PERFORMANCE MEASURE
- _ SUPPLEMENTAL SUPPORT
- _ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC VAX, IBM, Honeywell, HP-9000, cont.
OPERATING SYSTEM REQUIRED FOR OPERATION: see comments
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED:
- ____ INTERNAL STORAGE (BYTES)
- ____ EXTERNAL STORAGE (BYTES)
- X OTHER; SPECIFY: varies with system

LANGUAGE(S) OF AID:
- _ COBOL
- X FORTRAN
- _ PL/1
- _ BASIC
- _ ASSEMBLER
- _ OTHER; SPECIFY:

DOCUMENTATION:
- X TECHNICAL PAPER
- _ MAINTENANCE MANUAL
- _ SPECIFICATION (DEV/PLAN)
- _ USER MANUAL
- _ TEST/PLAN PROCEDURE
- X FULL DOCUMENTATION

ACCESSIBILITY:
- _ PUBLIC DOMAIN
- X IN USE FOR 6+ YEARS
- X DEMONSTRATIONS
- X PRIVATE DOMAIN
- X IN USE BY 500 FIRMS
- X TRAINING

PRICE: X MONTHLY LEASE: $450.00 X PURCHASE PRICE: $500-9,000

REFERENCES: COMPANY: 1) available upon request 2)
CONTACT: 1) 2)
TELEPHONE: 1) 2)

COMMENTS: See next page.

COMMENTS:

HARDWARE/MODEL REQUIRED: DEC VAX; IBM 370, 43XX; Honeywell 6000, Level 66 and DPS 8; Data General MV Series; Gould S.E.L.; Hewlett Packard-9000; Apollo Domain; Sun Workstation.

OPERATING SYSTEMS REQUIRED: VAX/VMS, ULTRIX, 4.2 BSD; VM/CMS, MVS; GCOS 3, GCOS 8; AOS/VS; Gould MPX; HP-UX; Apollo Aegis; UNIX.

Purchase price will vary with system.

The Tracing Instrumenters are tools that automatically document the program flow of control. They are available for FORTRAN, COBOL and C. FORTRAN and C employ two instrumenters which operate at the routine and statement levels. COBOL employs three instrumenters for routine, paragraph and statement level tracing, respectively. These products offer the software professional a flexible, consistent and easy-to-use tracing facility. They require no modification of any compiler or application program. They simply accept as input source programs and test data, and output clear trace documentation (i.e., profiles) which is formatted and indented to facilitate understanding. They permit top-down tracing in a natural manner. The Tracing Instrumenters are members of Softool, an integrated set of software tools.

NAME OF AID: ADABAS/DL1 Bridge ACRONYM: ADL

COMPANY: Software AG of North America REPRESENTATIVE: Tom Blondi
STREET : 11800 Sunrise Valley Drive TITLE: Vice Pres., Marketing
CITY/STATE/ZIP: Reston, VA 22091 PHONE: (703) 860-5050

DESCRIPTION:
ADL allows data to be transfered from DL1 to a proven relational DBMS, such as ADABAS. Existing DL1 programs may execute unchanged and access/update the data residing in ADABAS.

CONVERSION TOOL: _ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: ____
TARGET HARDWARE: ____
SOURCE SOFTWARE: DL1/IMS
TARGET SOFTWARE: ADABAS

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370 architecture
OPERATING SYSTEM REQUIRED FOR OPERATION: ____
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: ____ INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: see comments

LANGUAGE(S) OF AID: X COBOL X PL/1 X ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ____

DOCUMENTATION: _ TECHNICAL PAPER _ USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) X FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN _ PRIVATE DOMAIN
X IN USE FOR 1 YEARS X IN USE BY 3 FIRMS
X DEMONSTRATIONS _ TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: see comments

REFERENCES: COMPANY: 1) available upon request 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

Purchase prices and resource requirements depend on hardware configuration.

NAME OF AID: ADABAS/TOTAL Bridge ACRONYM: ATB

COMPANY: Software AG of North America REPRESENTATIVE: Tom Blondi
STREET : 11800 Sunrise Valley Drive TITLE: Vice Pres., Marketing
CITY/STATE/ZIP: Reston, VA 22091 PHONE: (703) 860-5050

DESCRIPTION:
ATB allows data to be transfered from TOTAL to a proven relational DBMS, such as ADABAS. Existing TOTAL programs may execute unchanged and ACCESS/UPDATE the data residing in ADABAS.

CONVERSION TOOL: _ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: ______
TARGET HARDWARE: ______
SOURCE SOFTWARE: TOTAL
TARGET SOFTWARE: ADABAS

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370 architecture
OPERATING SYSTEM REQUIRED FOR OPERATION: ______
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID: X COBOL X PL/1 X ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ______

DOCUMENTATION: _ TECHNICAL PAPER _ USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) X FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN X PRIVATE DOMAIN
X IN USE FOR 1 YEARS X IN USE BY 3 FIRMS
_ DEMONSTRATIONS _ TRAINING

PRICE: _ MONTHLY LEASE: ______ _ PURCHASE PRICE: ______

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

Purchase price and resource requirements depend on hardware configuration. Please call for current references.

NAME OF AID: ADABAS/VSAM ACRONYM: AVB

COMPANY: Software AG of North America REPRESENTATIVE: Tom Blondi
STREET : 11800 Sunrise Valley Drive TITLE: Vice Pres., Marketing
CITY/STATE/ZIP: Reston, VA 22091 PHONE: (703) 860-5050

DESCRIPTION:
The ADABAS/VSAM Bridge allows data to be transfered from VSAM to a proven relational DBMS, such as ADABAS. Existing VSAM programs may execute unchanged and access/update the data residing in ADABAS.

CONVERSION TOOL: _ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: ____
TARGET HARDWARE: ____
SOURCE SOFTWARE: VSAM
TARGET SOFTWARE: ADABAS

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370 architecture
OPERATING SYSTEM REQUIRED FOR OPERATION: ____
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: ____ INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID: X COBOL X PL/1 X ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ____

DOCUMENTATION: _ TECHNICAL PAPER _ USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) X FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN X PRIVATE DOMAIN
X IN USE FOR 3 YEARS X IN USE BY 44 FIRMS
_ DEMONSTRATIONS _ TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: $10,000.00

REFERENCES: COMPANY: 1) available upon request 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

This tool allows the investment in existing VSAM applications to continue to execute in a DBMS environment. ADABAS provides data integrity, restart/recovery, easy addition of new fields, and many other facilities not available to the VSAM architecture.

With the data in ADABAS, existing applications may continue to execute. New applications may use the 4GL NATURAL.

NAME OF AID: NATURAL/DL1

ACRONYM: NDL

COMPANY: Software AG of North America
STREET : 11800 Sunrise Valley Drive
CITY/STATE/ZIP: Reston, VA 22091

REPRESENTATIVE: Tom Blondi
TITLE: Vice Pres., Marketing
PHONE: (703) 860-5050

DESCRIPTION:
NDL is a 4GL programming language for DL1 (IMS) data bases.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370 architecture
OPERATING SYSTEM REQUIRED FOR OPERATION:
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY:

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY:

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 1 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 3 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: _ PURCHASE PRICE:

REFERENCES: COMPANY: 1) available upon request 2)
CONTACT: 1) 2)
TELEPHONE: 1) 2)

COMMENTS: See next page.

COMMENTS:

Purchase price and resource requirements depend on hardware configuration.

Please call for current references.

NAME OF AID: NATURAL/VSAM ACRONYM: NVS

COMPANY: Software AG of North America REPRESENTATIVE: Tom Blondi
STREET : 11800 Sunrise Valley Drive TITLE: Vice Pres., Marketing
CITY/STATE/ZIP: Reston, VA 22091 PHONE: (703) 860-5050

DESCRIPTION:
NVS is a 4GL programming language for VSAM files.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370 architecture
OPERATING SYSTEM REQUIRED FOR OPERATION: ______
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 3 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 113 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ______ _ PURCHASE PRICE: ______

REFERENCES: COMPANY: 1) available upon request 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

Purchase price and resource requirements depend on hardware configuration.

Please call for current references.

NAME OF AID: Data d-Scribe
ACRONYM: ________

COMPANY: Software Consult. Specialists
STREET : P.O. Box 15367
CITY/STATE/ZIP: Ft. Wayne, IN 46885

REPRESENTATIVE: Karen G. Palumbo
TITLE: Advertising Manager
PHONE: (219) 432-3975

DESCRIPTION:
Data d-Scribe maintains and performs syntax checking to a data dictionary and creates a type file for standard Pascal from the data dictionary.

CATEGORY:
_ SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: VAX
OPERATING SYSTEM REQUIRED FOR OPERATION: VMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 400K INTERNAL STORAGE (BYTES)
400K EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ________

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ________ X PURCHASE PRICE: $1,995.00

REFERENCES: COMPANY: 1) ________ 2) ________
CONTACT: 1) ________ 2) ________
TELEPHONE: 1) ________ 2) ________

COMMENTS: None

NAME OF AID: SCOBOL
ACRONYM: ________

COMPANY: Software Consulting Services
STREET : Franklin Tech Ctr 125, Ste. 10
CITY/STATE/ZIP: Bethlehem, PA 18015

REPRESENTATIVE: ________
TITLE: ________
PHONE: (215) 861-7920

DESCRIPTION:
SCOBOL is a programming language for structured programming. It is a superset of COBOL.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM,Honeywell,DEC,HP,TI,Univac, cont.
OPERATING SYSTEM REQUIRED FOR OPERATION: ________
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: varies with system

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: SCOBOL

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 30 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ________ X PURCHASE PRICE: $1,400.00

REFERENCES:

	1)	2)
COMPANY:	Computer Sciences Corp.	TRW
CONTACT:	William Green	J.O. McCourt
TELEPHONE:	(703) 521-5280	(703) 931-2017

COMMENTS: See next page.

COMMENTS:

HARDWARE REQUIRED: Burroughs, IBM, Honeywell, DEC, HP, TI, Univac, CDC, Interdata, Modcomp, Data General

SCOBOL gives you everything that COBOL does plus the control structures you need for structured COBOL. The central part of the SCOBOL system is a precompiler program. It reads a program written in the SCOBOL language and translates it into a COBOL program ready to be compiled.

The SCOBOL system consists of three programs: the precompiler, a formatter, and a cross-reference/listing program.

The formatter reads a SCOBOL program and writes a replacement program which has been reformatted according to a set of rules selected or modified by the programmer. The available formatting and editing functions include:

- indentation of SCOBOL blocks to reflect their structure;
- indentation of DATA DIVISION entries by level number;
- alignment of data descriptions (PIC, etc.);
- changing of level numbers in a record structure to allow the insertion of a new level;
- substitution of one data name for another in both the DATA and PROCEDURE DIVISION (this permits "shorthand coding" of data names if desired).

The cross-reference program can cross-reference both SCOBOL and COBOL programs. Two listing options are selectable at run time:

- a bi-directional cross-reference with forward and backward reference line numbers printed beside each source line;
- a sorted "simple" cross-reference listing following the source listing.

Either or both of the listing formats may be requested for any run.

NAME OF AID: SFORTRAN
ACRONYM:

COMPANY: Software Consulting Services
STREET : Franklin Tech Ctr 125, Ste. 10
CITY/STATE/ZIP: Bethlehem, PA 18015
REPRESENTATIVE:
TITLE:
PHONE: (215) 861-7920

DESCRIPTION:
SFORTRAN is a programming language for structured programming. It permits the writing of programs in a superset of FORTRAN (with all of the control structures needed for structured programming). It translates these programs into FORTRAN which can be compiled.

CATEGORY:
☐ SIMULATION
☐ DESIGN
☒ CODE GENERATION
☐ TESTING
☐ MAINTENANCE
☐ DOCUMENTATION
☐ OPERATION
☐ PERFORMANCE MEASURE
☐ SUPPLEMENTAL SUPPORT
☐ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM,Honeywell,DEC,HP,TI,Univac, cont.
OPERATING SYSTEM REQUIRED FOR OPERATION:
COMPUTER: ☒ MAINFRAME ☒ MINI ☐ MICRO

RESOURCES REQUIRED:
☐ INTERNAL STORAGE (BYTES)
☐ EXTERNAL STORAGE (BYTES)
☒ OTHER; SPECIFY: varies with system

LANGUAGE(S) OF AID:
☐ COBOL
☒ FORTRAN
☐ PL/1
☐ BASIC
☐ ASSEMBLER
☒ OTHER; SPECIFY: SFORTRAN

DOCUMENTATION:
☐ TECHNICAL PAPER
☐ MAINTENANCE MANUAL
☐ SPECIFICATION (DEV/PLAN)
☒ USER MANUAL
☐ TEST/PLAN PROCEDURE
☐ FULL DOCUMENTATION

ACCESSIBILITY:
☐ PUBLIC DOMAIN
☒ IN USE FOR 30 YEARS
☐ DEMONSTRATIONS
☐ PRIVATE DOMAIN
☐ IN USE BY ____ FIRMS
☐ TRAINING

PRICE: ☐ MONTHLY LEASE: ☒ PURCHASE PRICE: $1,400.00

REFERENCES: COMPANY: 1) Singer Corporation 2) ESL, Inc.
CONTACT: 1) Philip Vichmann 2) Brian Head
TELEPHONE: 1) (301) 622-4400 2) (408) 738-2888

COMMENTS: See next page.

COMMENTS:

HARDWARE REQUIRED: Burroughs, IBM, Honeywell, DEC, HP, TI, Univac, CDC, Interdata, Modcomp, Data General

The SFORTRAN system consists of six programs which may be used in various combinations selected by the user: the precompiler, a formatter, a cross-reference program, an alternate cross-reference program, and a combined function program with a macro facility.

The formatter reads a SFORTRAN program and creates a listing of it which has been reformatted according to a set of rules selected or modified by the programmer. The available formatting and editing functions include:

- indentation of SFORTRAN blocks to reflect their structure;
- substitution of one data name for another throughout an entire program or selected portions of it. (This permits "shorthand coding" of data names if desired.);
- double printing of the block delimiter keywords.

Optional additional output files are a reformatted replacement program and a work file for the cross-reference program.

The cross-reference program sorts and prints a file created by the formatter. Identifiers either defined or referenced in the program (a single subroutine or a whole system of subroutines) are listed in alphabetical order with the subroutine number and statement number of each occurrence. This program uses an external sort with work files.

The alternate version of the cross-reference program performs the same functions as the first one, but it uses an in-core "quicksort" algorithm. It is considerably faster, but it may not be able to cross-reference a very large program without an increase in memory size.

The combined function program supports a COPY (or "include") feature and a user nested macro facility. The most obvious use of these facilities is for the inclusion of COMMON decks in subroutines to ensure that identical declarations are copied wherever needed. The program requires FORTRAN readable direct access files.

NAME OF AID: CapBak

ACRONYM: ________

COMPANY: Software Research Associates

STREET : P.O.B. 2432, 580 Market St.

CITY/STATE/ZIP: San Francisco, CA 94126

REPRESENTATIVE: Christopher deLellis

TITLE: Marketing Manager

PHONE: (415) 947-1441

DESCRIPTION:
CapBak captures keystroke sequences and user-selected screen contents during programmer and user testing of IBM PC and IBM PC/XT applications software.

CATEGORY:
☐ SIMULATION
☐ DESIGN
☒ CODE GENERATION
☒ TESTING
☐ MAINTENANCE
☐ DOCUMENTATION
☐ OPERATION
☐ PERFORMANCE MEASURE
☐ SUPPLEMENTAL SUPPORT
☐ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC, IBM PC/XT

OPERATING SYSTEM REQUIRED FOR OPERATION: DOS 2.0 or later versions

COMPUTER: ☐ MAINFRAME ☐ MINI ☒ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
☐ COBOL
☐ FORTRAN
☐ PL/1
☐ BASIC
☐ ASSEMBLER
☐ OTHER; SPECIFY: ________

DOCUMENTATION:
☒ TECHNICAL PAPER
☐ MAINTENANCE MANUAL
☐ SPECIFICATION (DEV/PLAN)
☒ USER MANUAL
☐ TEST/PLAN PROCEDURE
☐ FULL DOCUMENTATION

ACCESSIBILITY:
☐ PUBLIC DOMAIN
☐ IN USE FOR ___ YEARS
☐ DEMONSTRATIONS
☒ PRIVATE DOMAIN
☐ IN USE BY ____ FIRMS
☒ TRAINING

PRICE: ☐ MONTHLY LEASE: ________ ☐ PURCHASE PRICE: ________

REFERENCES:
COMPANY: 1) ____________ 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

CapBak enables testing automation through collection and auto-playback of test sessions.

Each test session creates a sequence of keystrokes. With CapBak these keystrokes are saved in a special format on a user-declared file. This is called the "capture" mode. In capture mode, screen images can be captured whenever any keys from a user-selected subset are used.

As a user-selected option, the keystrokes that are saved can be generated from a previously saved keystroke file. This is called the "playback" mode. The rate of playback can be adjusted by the user to simulate varying conditions of program execution.

The capture and playback modes are independent and, if necessary, can be used at the same time.

Saved keystroke files can be edited and combined (using supplied internal to external translation utilities).

NAME OF AID: Extended BASIC Validation Test Suite
ACRONYM: ________

COMPANY: Software Research Associates
STREET : P.O.B. 2432, 580 Market St.
CITY/STATE/ZIP: San Francisco, CA 94126

REPRESENTATIVE: Christopher deLellis
TITLE: Marketing Manager
PHONE: (415) 947-1441

DESCRIPTION:
The Extended BASIC Validation Test Suite is designed to validate the syntactic compatibility of a BASIC interpreter/compiler with the DEC BASIC-PLUS language.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC
OPERATING SYSTEM REQUIRED FOR OPERATION: ________
COMPUTER: _ MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED:
____ INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
_X_ OTHER; SPECIFY: BASIC

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
X BASIC
_ ASSEMBLER
X OTHER; SPECIFY: C, Pascal

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ________ X PURCHASE PRICE: $3,200.00

REFERENCES: COMPANY: 1) ________ 2) ________
CONTACT: 1) ________ 2) ________
TELEPHONE: 1) ________ 2) ________

COMMENTS: See next page.

COMMENTS:

The test suite consists of over 200 test programs from the NBS Minimal BASIC Test Suite plus an additional 150 test programs which test the Extended BASIC language features of DEC BASIC-PLUS. The test programs cover standard capabilities, end cases, and exceptions for the language features.

The extensions to the DEC BASIC-PLUS language include such features as matrix functions, block I/O, control flow statements, string functions, and logical operators.

The output from the tests are fully machine processible, thereby facilitating later regression testing.

The DEC version of the Extended BASIC Test Suite is priced at $3,200.00 for a single-user, single-site restricted source license.

NAME OF AID: MetaTest ACRONYM: ________

COMPANY: Software Research Associates
STREET : P.O.B. 2432, 580 Market St.
CITY/STATE/ZIP: San Francisco, CA 94126

REPRESENTATIVE: Christopher deLellis
TITLE: Marketing Manager
PHONE: (415) 947-1441

DESCRIPTION:
MetaTest is a test planning support system that provides basic capabilities for test plan generation at the system, integration, interface, and unit test level. MetaTest is language and application independent.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: ____________
OPERATING SYSTEM REQUIRED FOR OPERATION: UNIX
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
X BASIC
_ ASSEMBLER
X OTHER; SPECIFY: C, Pascal

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ________ _ PURCHASE PRICE: ________

REFERENCES: COMPANY: 1) ____________ 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

MetaTest tools assist in organizing test processes by providing a language (called "MTS") and its associated processing facilities in which a test planner expresses structured descriptions of tests.

The MTS language contains a complement of familiar control structures, data flow structures, and interface description structures. Processors for MTS scan MTS units and identify major implementation flaws at the MTS level.

A family of analysis tools -- called the MTS Toolkit (r) -- support MetaTest operations. They include:

- an automated system for processing MTS's structural descriptions and generating test paths within the constraints implied in an MTS unit;
- a series of tools for identifying inputs and outputs of individual MTS elements;
- a tool for annotating MTS elements to make them easier to read and understand. Interfaces, data flow, and control logic are highlighted;
- a set of tools for processing paths within MTS units. These tools evaluate complexity, assist in identifying inputs and outputs, and handle problems with interfaces;
- utility tools that analyze individual paths for logic, data flow, and other properties. These tools report statistics and other relevant facts about the MTS element; and
- test data value selection advice utilities that support identification of "exceptional" and "limiting" values.

A user can rely on these MetaTest capabilities to assist in designing, implementing, and upgrading complicated test sets.

MetaTest is available on a single-site binary license basis or remote dialup use.

MetaTest and MTS Toolkit are registered.

NAME OF AID: PC-MS-BASIC: IBM PC BASIC Validation Test Suite
ACRONYM: ________

COMPANY: Software Research Associates
STREET : P.O.B. 2432, 580 Market St.
CITY/STATE/ZIP: San Francisco, CA 94126

REPRESENTATIVE: Christopher deLellis
TITLE: Marketing Manager
PHONE: (415) 947-1441

DESCRIPTION:
The IBM PC BASIC Validation Test Suite is designed to validate the compatibilities of a BASIC interpreter or compiler that is intended to match the implemented features of IBM PC BASIC.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC
OPERATING SYSTEM REQUIRED FOR OPERATION: ________
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
__X__ OTHER; SPECIFY: BASIC

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
X BASIC
_ ASSEMBLER
X OTHER; SPECIFY: C, Pascal

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ________ _ PURCHASE PRICE: ________

REFERENCES: COMPANY: 1) ________ 2) ________
CONTACT: 1) ________ 2) ________
TELEPHONE: 1) ________ 2) ________

COMMENTS: See next page.

COMMENTS:

The Test Suite consists of over 600 test programs that investigate all of the features of BASIC. The Test Suite programs are organized to be nearly 100% self-testing (i.e., the tester only has to evaluate exceptions found during test execution, rather than each test).

The tests in the Suite include corrected and improved versions of the widely used NBS Minimal BASIC Test Suite. In addition, there are an addition 400+ test programs which test the additional features of Microsoft's IBM PC BASIC. The test programs are able to confirm standard language capabilities, analyze end cases, and identify significant exceptions for the language features.

The outputs from the tests in the IBM PC BASIC Validation Test Suite are fully machine processable, making processing of the tests simple and facilitating automatic regression testing.

NAME OF AID: Test Coverage Analysis Tool
ACRONYM: TCAT

COMPANY: Software Research Associates
STREET : P.O.B. 2432, 580 Market St.
CITY/STATE/ZIP: San Francisco, CA 94126

REPRESENTATIVE: Christopher deLellis
TITLE: Marketing Manager
PHONE: (415) 947-1441

DESCRIPTION:
The TCAT family of test coverage analyzers provides basic support of Software Quality Assurance by measuring the C1 and P1 (for COBOL only) coverage values for series of tests (C1 is the percentage of logical segments exercised; P1 is the percentage of COBOL paragraphs exercised).

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM, DEC, ONYX, Data General, Univac
OPERATING SYSTEM REQUIRED FOR OPERATION: UNIX
COMPUTER: X MAINFRAME X MINI X MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: Serial file

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: C

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: see comments _ PURCHASE PRICE: __________

REFERENCES: COMPANY: 1) __________ 2) __________
CONTACT: 1) __________ 2) __________
TELEPHONE: 1) __________ 2) __________

COMMENTS: See next page.

COMMENTS:

TCAT provides a basic free-standing capability for automatic instrumentation of programs to analyze and report C1 and P1 coverage levels. TCAT processes programs in a range of languages, plus local machine dialect features depending on the system version and host.

Versions of TCAT are available for COBOL, BASIC, Pascal, "C", and Assembly Language. TCAT can be installed on a wide range of operating systems, including: IBM, Data General, ONYX, DEC, etc. Please write to SRA for details of availability of TCAT for other machines and other languages and dialects that are supported.

TCAT is available on a single-user, single-CPU binary license agreement and also on a multi-user site license basis. Monthly lease terms can be arranged. Full documentation, installation-dependent information, and subscription-type maintenance and upgrade service is provided with the basic license agreement. Maintenance and upgrade service after the first year's use is also available.

NAME OF AID: COBOL Cross Reference ACRONYM: ________

COMPANY: Software Research, Inc. REPRESENTATIVE: Gregory Taylor
STREET : 660 Dover Center Road TITLE: Sales Representative
CITY/STATE/ZIP: Bay Village, OH 44140 PHONE: (216) 871-3135

DESCRIPTION:
This software tool produces a cross reference of all paragraph and data names in a COBOL program.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: Burroughs B20, C3, CT, AWS, IWS, N-GEN
OPERATING SYSTEM REQUIRED FOR OPERATION: BTOS/CTOS
COMPUTER: _ MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: 100K INTERNAL STORAGE (BYTES)
100K EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: __________

LANGUAGE(S) OF AID: _ COBOL _ PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC X OTHER; SPECIFY: Pascal

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 1 YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
X IN USE BY 30 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ________ X PURCHASE PRICE: $175.00

REFERENCES:
COMPANY: 1) Cybershare, LTD 2) Santa Clara Valley Water
CONTACT: 1) Charlie Goodman 2) Bill Knoff
TELEPHONE: 1) (204) 775-0181 2) (408) 265-2600

COMMENTS: None

NAME OF AID: COBOL Generator ACRONYM: micro-CAPS

COMPANY: Software Research, Inc. REPRESENTATIVE: Gregory Taylor
STREET : 660 Dover Center Road TITLE: Sales Representative
CITY/STATE/ZIP: Bay Village, OH 44140 PHONE: (216) 871-3135

DESCRIPTION:
micro-CAPS generates complete COBOL source programs from menu-driven parameterized program specifications.

CATEGORY:
_ SIMULATION
_ DESIGN
X CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: Burroughs B20, C3, CT, IWS, AWS, N-GEN
OPERATING SYSTEM REQUIRED FOR OPERATION: BTOS/CTOS
COMPUTER: _ MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: 120K INTERNAL STORAGE (BYTES)
600K EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 3 YEARS
X DEMONSTRATIONS
_ PRIVATE DOMAIN
X IN USE BY 200 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ______ X PURCHASE PRICE: $1,895.00

REFERENCES: COMPANY: 1) Megasolutions, Inc. 2) Colo. Dept. of Revenue
CONTACT: 1) Don Trietsch 2) Henry Ellerbee
TELEPHONE: 1) (215) 782-8839 2) (803) 866-3387

COMMENTS: None

NAME OF AID: Report Writer
ACRONYM: Fasport

COMPANY: Software Research, Inc.
STREET : 660 Dover Center Road
CITY/STATE/ZIP: Bay Village, OH 44140
REPRESENTATIVE: Gregory Taylor
TITLE: Sales Representative
PHONE: (216) 871-3135

DESCRIPTION:
Fasport is a generic, general purpose, fully featured report writer.

CATEGORY:
X SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: Burroughs B20, C3, CT, AWS, IWS, N-GEN
OPERATING SYSTEM REQUIRED FOR OPERATION: BTOS/CTOS
COMPUTER: _ MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: 190K INTERNAL STORAGE (BYTES)
800K EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
X COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: Pascal

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 1 YEARS
X DEMONSTRATIONS
_ PRIVATE DOMAIN
X IN USE BY 100 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ______
X PURCHASE PRICE: $800.00

REFERENCES:		
COMPANY:	1) Curacare	2) Northview Public Schools
CONTACT:	1) Dan Blue	2) Ron Nyenhuis
TELEPHONE:	1) (209) 521-2330	2) (616) 363-6861

COMMENTS: None

NAME OF AID: COMPAREX
ACRONYM: ____

COMPANY: Sterling Software Marketing
STREET : 11050 White Rock Rd., Ste. 100
CITY/STATE/ZIP: Rancho Cordova,CA 95670

REPRESENTATIVE: Michael Conroy
TITLE: Product Manager
PHONE: (916) 635-5535

DESCRIPTION:
COMPAREX is a comprehensive data/text file comparison utility designed to compare two files and write a report that displays any or all differences.

CONVERSION TOOL:
_ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

SOURCE HARDWARE: ____
TARGET HARDWARE: ____
SOURCE SOFTWARE: DOS
TARGET SOFTWARE: OS

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 30XX, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS/VSE, OS/VS, VM/CMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 60K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 5 YEARS
X DEMONSTRATIONS
_ PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: see comments
X PURCHASE PRICE: see comments

REFERENCES: COMPANY: 1) available upon request 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

PRICE:	OS	DOS	VM
MONTHLY LEASE	$875	$500	$500
PURCHASE PRICE	$8,750	$5,000	$5,000

COMPAREX is a data/text file comparison utility for quality assurance. It directly compares two data or text files or any structure or organization, including ISAM, VSAM, and sequential. Also, COMPAREX will directly compare the following files: PANVALET, LIBRARIAN, ADABAS, DL/1 (IMS, IMS/FASTPATH, CICS), IAM IDMS, RAMIS II, ROSCOE, WYLBUR, and GEM.

COMPAREX isolates inserted, deleted, and modified records and highlights the exact differences. Single, multiple, or all members of one library can be compared to members of another library. Filtering of members and records for inclusion and exclusion is supported along with masking of fields for non-comparison. Filters may be applied to a range of displacements enabling a record to be scanned for a certain value.

Reporting options include: printing in hex dump format; DITTO (vertical hex format); alphanumeric format; and partial display. Users may generate their own installation defaults or use the internal standard.

Examples of files processed are all types of program source code, master files, data bases, load modules, reports, CLIST, and JCL. Any combination of zoned, packed and binary fields may be compared. COMPAREX serves as a print utility and test file generator with the ability to desensitize data fields. It runs in batch or with full ISPF interface under TSO with tutorial.

COMPAREX VM/CMS handles packed and unpacked disk formats; invocation may be from FLIST or operator line. COMPAREX is used in quality assurance, auditing, change control and programming. It aids in eliminating undetected programming errors, and drastically reduces desk checking time.

NAME OF AID: DASD Management System ACRONYM: DMS/OS

COMPANY: Sterling Software Marketing REPRESENTATIVE: Don Murphy
STREET : 11050 White Rock Rd., Ste. 100 TITLE: Vice President, Sales
CITY/STATE/ZIP: Rancho Cordova,CA 95670 PHONE: (916) 635-5535

DESCRIPTION:
This product provides complete data management for all IBM and PC DASD devices. It includes full and incremental back-ups, migration to tape, reporting and billing, VSAM support, and data set retention control based on a variety of criteria.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
X OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 303X, 43XX
OPERATING SYSTEM REQUIRED FOR OPERATION: see comments
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 1Mb INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID: _ COBOL _ PL/1 X ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ____________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 9 YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: X MONTHLY LEASE: $1,400.00 X PURCHASE PRICE: $14,000.00

REFERENCES: COMPANY: 1) AMDAHL Corp. 2) John Hancock Mutual Life
CONTACT: 1) Mr. Bob Powers 2) Mr. Don Harrington
TELEPHONE: 1) (408) 746-8673 2) (617) 421-2926

COMMENTS: See next page.

COMMENTS:

OPERATING SYSTEM REQUIRED: IBM OS/VS1, OS/MVS, OS/VS, MVS/XA, Falcon M Series and Fujitsu OSIV/F4

DMS is device and operating system independent. It also supports data movement between unlike device types.

DMS/OS is a comprehensive Direct Access Storage Device (disk) management system, which can be operated by non-technical users. The system gives the DP center's support staff and their end users an effective and convenient means to manage their disk space. Extensive reporting abilities are provided, but true benefits come from using the system's automated functions to assure sufficient free space, provide proper backup and recovery, enforce installation standards and perform device conversions.

When moving both VSAM and non-VSAM data sets to new volumes, space allocations are automatically adjusted for different device types, and catalogs are updated as needed. Direct interfaces are available to the ACF2, RACF, and TOP SECRET security systems to assure that proper security is maintained. SPF menus and help text are available to invoke all functions and to display the status or results or prior requests. Major functions of the system are archive (to disk or tape), backup (to disk or tape), restore, volume recovery, SPF interactive reporting (browse mode and hardcopy), PDS compression, data compression/compaction, idle space release, DASD-to-DASD migration or conversion, DASD-to-tape migraton, and DASD space billing for both VSAM and non-VSAM data sets.

NAME OF AID: PC-FORTRAN TOOLS
ACRONYM: ____

COMPANY: StratCom Systems, Inc.
STREET : 4901 Morena Blvd., Suite 113
CITY/STATE/ZIP: San Diego, CA 92117

REPRESENTATIVE: James R. Conrad
TITLE: President
PHONE: (619) 483-9292

DESCRIPTION:
This is a set of four tools that aid in FORTRAN software development and porting: PC-XTRACT, PC-XREF, PC-KLENUP, and PC-CNTROL.

CONVERSION TOOL:
_ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
_ SIMULATION
X DESIGN
X CODE GENERATION
_ TESTING
_ MAINTENANCE

_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

SOURCE HARDWARE: Mainframe (VAX, IBM 3033, etc)
TARGET HARDWARE: IBM PC
SOURCE SOFTWARE: ____
TARGET SOFTWARE: ____

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC
OPERATING SYSTEM REQUIRED FOR OPERATION: MS-DOS 2.0 or greater
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED:
256K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____
X PURCHASE PRICE: $179.00

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

PC-XTRACT extracts MAIN routine as well as all SUBROUTINES, FUNCTIONS, and BLOCK DATAs from FORTRAN source code file. It also creates a file with all the routine names for batch compilation.

PC-XREF produces comprehensive local and global cross-reference maps for FORTRAN source code. It also produces routine hierarchy file used by PC-OVRLAY to generate overlay map.

PC-KLENUP cleans up sloppy FORTRAN source code. It produces ascending statement labels, adds spaces around key words and delimiters, and performs indentation for DO loops, IF-THEN-ELSE, and similar structures for improved maintainability and readability.

PC-CNTROL is a complete set of FORTRAN callable screen attribute, cursor positioning, and keyboard control functions (control color, bold, blink, attach automatic carriage return to any key, etc.).

NAME OF AID: PC-OVRLAY ACRONYM: ____

COMPANY: StratCom Systems, Inc. REPRESENTATIVE: James R. Conrad
STREET : 4901 Morena Blvd., Suite 113 TITLE: President
CITY/STATE/ZIP: San Diego, CA 92117 PHONE: (619) 483-9292

DESCRIPTION:
PC-OVRLAY creates optimal memory overlay structures (and linker command files) based on routine-calling hierarchy and routine data size. (Hierarchy files generated manually or by PC-XREF.)

CONVERSION TOOL:
_ TRANSLATOR
X CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOFTWARE TOOL:
_ SIMULATION
X DESIGN
X CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

SOURCE HARDWARE: Mainframe (VAX, IBM 3033, etc)
TARGET HARDWARE: IBM PC
SOURCE SOFTWARE: ____
TARGET SOFTWARE: ____

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC
OPERATING SYSTEM REQUIRED FOR OPERATION: MS-DOS 2.0 or greater
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: 256K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: overlay linker (MS LINK.V2 or PLINK86)

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
_ IN USE BY ___ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: $99.00

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: None

NAME OF AID: StratLink ACRONYM: ____

COMPANY: StratCom Systems, Inc.
STREET : 4901 Morena Blvd., Suite 113
CITY/STATE/ZIP: San Diego, CA 92117

REPRESENTATIVE: James R. Conrad
TITLE: President
PHONE: (619) 483-9292

DESCRIPTION:
StratLink predicts the RF signal and noise power at receiver nodes in a network. It may be used stand-alone or with StratSim.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: VAX, IBM PC
OPERATING SYSTEM REQUIRED FOR OPERATION: VMS, DOS 2.0
COMPUTER: X MAINFRAME X MINI X MICRO

RESOURCES REQUIRED:
640K INTERNAL STORAGE (BYTES)
10Mb EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: 8087 chip

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
_ PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: $5,000.00

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: None

NAME OF AID: ADA LISP ACRONYM: ______

COMPANY: Systems Research Laboratories REPRESENTATIVE: David Dietz
STREET : 2800 Indian Ripple Road TITLE: Senior Scientist
CITY/STATE/ZIP: Dayton, OH 45440 PHONE: (513) 426-6000

DESCRIPTION:
This is a machine-independent version of Lisp written in Ada for complete portability. It supports traditional Lisp features in an environment which is time and space efficient. It includes source code.

CATEGORY:
X SIMULATION
X DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
_ DOCUMENTATION
X OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: any
OPERATING SYSTEM REQUIRED FOR OPERATION: any
COMPUTER: X MAINFRAME X MINI X MICRO

RESOURCES REQUIRED: 192K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: Ada

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 2 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 8 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ______ X PURCHASE PRICE: $4,500.00

REFERENCES: COMPANY: 1) available upon request 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

Ada is a registered trademark of the U.S. Government, Ada Joint Program Office.

NAME OF AID: DEXPERT ACRONYM: ____

COMPANY: Systems Research Laboratories REPRESENTATIVE: David Dietz
STREET : 2800 Indian Ripple Road TITLE: Senior Scientist
CITY/STATE/ZIP: Dayton, OH 45440 PHONE: (513) 426-6000

DESCRIPTION:
DEXPERT is an expert-system building tool. It provides the inference engine, logic, and editor to drive an expert system. The user supplies the rules and probability factors. It runs with FORTRAN Lisp or Ada Lisp.

CATEGORY: _ SIMULATION _ DOCUMENTATION
_ DESIGN _ OPERATION
_ CODE GENERATION _ PERFORMANCE MEASURE
X TESTING X SUPPLEMENTAL SUPPORT
X MAINTENANCE _ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: any
OPERATING SYSTEM REQUIRED FOR OPERATION: any
COMPUTER: X MAINFRAME X MINI X MICRO

RESOURCES REQUIRED: 192K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID: _ COBOL _ PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC X OTHER; SPECIFY: Lisp

DOCUMENTATION: _ TECHNICAL PAPER X USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) _ FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN X PRIVATE DOMAIN
X IN USE FOR 1 YEARS X IN USE BY 5 FIRMS
X DEMONSTRATIONS X TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: $3,500.00

REFERENCES: COMPANY: 1) available upon request 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

Ada is a registered trademark of the U.S. Government, Ada Joint Program Office.

NAME OF AID: FORTRAN LISP
ACRONYM:

COMPANY: Systems Research Laboratories
STREET : 2800 Indian Ripple Road
CITY/STATE/ZIP: Dayton, OH 45440

REPRESENTATIVE: David Dietz
TITLE: Senior Scientist
PHONE: (513) 426-6000

DESCRIPTION:
FORTRAN LISP is a machine-independent version of Lisp written in FORTRAN for complete portability. It supports traditional Lisp features in an environment which is time and space efficient. It includes source code.

CATEGORY:
X SIMULATION
X DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
_ DOCUMENTATION
X OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: any
OPERATING SYSTEM REQUIRED FOR OPERATION: any
COMPUTER: X MAINFRAME X MINI X MICRO

RESOURCES REQUIRED:
192K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY:

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY:

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 2 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 15 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE:
X PURCHASE PRICE: $4,500.00

REFERENCES: COMPANY: 1) available upon request 2)
CONTACT: 1) 2)
TELEPHONE: 1) 2)

COMMENTS: None

NAME OF AID: LISP TO ADA TRANSLATOR ACRONYM:

COMPANY: Systems Research Laboratories REPRESENTATIVE: David Dietz
STREET : 2800 Indian Ripple Road TITLE: Senior Scientist
CITY/STATE/ZIP: Dayton, OH 45440 PHONE: (513) 426-6000

DESCRIPTION:
This tool automatically translates Lisp-written functions to compiler-ready Ada procedures. It supports recursion and other Lisp features. It runs with FORTRAN Lisp or Ada Lisp.

CONVERSION TOOL: X TRANSLATOR
_ CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE:
TARGET HARDWARE:
SOURCE SOFTWARE: Lisp
TARGET SOFTWARE: Ada

HARDWARE/MODEL REQUIRED FOR OPERATION: any
OPERATING SYSTEM REQUIRED FOR OPERATION: any
COMPUTER: X MAINFRAME X MINI X MICRO

RESOURCES REQUIRED: 192K INTERNAL STORAGE (BYTES)
EXTERNAL STORAGE (BYTES)
OTHER; SPECIFY:

LANGUAGE(S) OF AID: _ COBOL _ PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC X OTHER; SPECIFY: Lisp

DOCUMENTATION: _ TECHNICAL PAPER _ USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) _ FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN X PRIVATE DOMAIN
X IN USE FOR 2 YEARS X IN USE BY 8 FIRMS
X DEMONSTRATIONS X TRAINING

PRICE: _ MONTHLY LEASE: X PURCHASE PRICE: $1,500.00

REFERENCES: COMPANY: 1) available upon request 2)
CONTACT: 1) 2)
TELEPHONE: 1) 2)

COMMENTS: See next page.

COMMENTS:

Ada is a registered trademark of the U.S. Government, Ada Joint Program Office.

NAME OF AID: LISP TO FORTRAN TRANSLATOR ACRONYM: ________

COMPANY: Systems Research Laboratories REPRESENTATIVE: David Dietz
STREET : 2800 Indian Ripple Road TITLE: Senior Scientist
CITY/STATE/ZIP: Dayton, OH 45440 PHONE: (513) 426-6000

DESCRIPTION:
This product automatically translates Lisp-written functions to compiler-ready FORTRAN subroutines. It supports recursion and other Lisp features, and it runs with FORTRAN Lisp or Ada Lisp.

CONVERSION TOOL: X TRANSLATOR
_ CONVERSION AID
_ EMULATOR
_ SIMULATOR

SOURCE HARDWARE: ________
TARGET HARDWARE: ________
SOURCE SOFTWARE: Lisp
TARGET SOFTWARE: FORTRAN

HARDWARE/MODEL REQUIRED FOR OPERATION: any
OPERATING SYSTEM REQUIRED FOR OPERATION: any
COMPUTER: X MAINFRAME X MINI X MICRO

RESOURCES REQUIRED: 192K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ________

LANGUAGE(S) OF AID: _ COBOL _ PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC X OTHER; SPECIFY: Lisp

DOCUMENTATION: _ TECHNICAL PAPER X USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) _ FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN X PRIVATE DOMAIN
_ IN USE FOR ___ YEARS X IN USE BY 15 FIRMS
X DEMONSTRATIONS X TRAINING

PRICE: _ MONTHLY LEASE: ________ X PURCHASE PRICE: $1,500.00

REFERENCES: COMPANY: 1) available upon request 2) ________
CONTACT: 1) ________ 2) ________
TELEPHONE: 1) ________ 2) ________

COMMENTS: None

NAME OF AID: LISP TUTOR
ACRONYM: ______

COMPANY: Systems Research Laboratories
REPRESENTATIVE: David Dietz
STREET : 2800 Indian Ripple Road
TITLE: Senior Scientist
CITY/STATE/ZIP: Dayton, OH 45440
PHONE: (513) 426-6000

DESCRIPTION:
This tool is a computer-aided instructional package for the programming language Lisp.

CATEGORY:
☐ SIMULATION
☐ DESIGN
☐ CODE GENERATION
☐ TESTING
☐ MAINTENANCE
☐ DOCUMENTATION
☐ OPERATION
☐ PERFORMANCE MEASURE
☒ SUPPLEMENTAL SUPPORT
☐ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: any
OPERATING SYSTEM REQUIRED FOR OPERATION: any
COMPUTER: ☒ MAINFRAME ☒ MINI ☒ MICRO

RESOURCES REQUIRED: 192K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
☐ COBOL
☐ FORTRAN
☐ PL/1
☐ BASIC
☐ ASSEMBLER
☒ OTHER; SPECIFY: Lisp

DOCUMENTATION:
☐ TECHNICAL PAPER
☐ MAINTENANCE MANUAL
☐ SPECIFICATION (DEV/PLAN)
☒ USER MANUAL
☐ TEST/PLAN PROCEDURE
☐ FULL DOCUMENTATION

ACCESSIBILITY:
☐ PUBLIC DOMAIN
☒ IN USE FOR 1 YEARS
☒ DEMONSTRATIONS
☒ PRIVATE DOMAIN
☒ IN USE BY 3 FIRMS
☒ TRAINING

PRICE: ☐ MONTHLY LEASE: ______ ☒ PURCHASE PRICE: $1,500.00

REFERENCES: COMPANY: 1) available upon request 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: None

NAME OF AID: Business Analysis and Requirements Definition

ACRONYM: TIP DEFINE

COMPANY: Technology Info Products
STREET : 12 New England Executive Park
CITY/STATE/ZIP: Burlington, MA 01803

REPRESENTATIVE: John Cardullo
TITLE: Director, Sales & Marketing
PHONE: (617) 273-5818

DESCRIPTION:
This software tool is a methodology, supported by mainframe software, to let users describe their business functions and information usage in great detail with online verification of accomplishment of the rules of the methodology.

CATEGORY:
X SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 43XX/30XX
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS/TSO, VM/CMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
2-3Mb INTERNAL STORAGE (BYTES)
9Mb EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
X PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 2 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $6,000.00 X PURCHASE PRICE: $90,000.00

REFERENCES:

	1)	2)
COMPANY:	Prudential Insurance	Data General Corp.
CONTACT:	Hedy Andrews	Lou Reagan
TELEPHONE:	(201) 533-6060	(617) 366-8911

COMMENTS: See next page.

COMMENTS:

The software provides extensive verification, validation, and consistency checking. A full range of reports are available that describe all information that the user needs.

NAME OF AID: Business Information Planning
ACRONYM: TIP PLAN

COMPANY: Technology Info Products
STREET : 12 New England Executive Park
CITY/STATE/ZIP: Burlington, MA 01803

REPRESENTATIVE: John Cardullo
TITLE: Director, Sales & Marketing
PHONE: (617) 273-5818

DESCRIPTION:
This tool is a methodology, supported by mainframe software, that lets the user describe business/functions pictorially, and develop the enterprise data model and entity-relationship model.

CATEGORY:
X SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 43XX/30XX
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS/TSO, VM/CMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
2Mb INTERNAL STORAGE (BYTES)
9Mb EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
X PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 2 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $4,000.00 X PURCHASE PRICE: $60,000.00

REFERENCES:
COMPANY: 1) U.S. Navy/SPCC 2) Shell Oil Company
CONTACT: 1) Beth Misakonis 2) Jim Bade
TELEPHONE: 1) (717) 790-5734 2) (713) 241-5404

COMMENTS: See next page.

COMMENTS:

INTERNAL STORAGE: 2 Mb MVS; 3 Mb VM/CMS

NAME OF AID: Business Information Planning - PC Version

ACRONYM: TIP PLANPC

COMPANY: Technology Info Products
STREET : 12 New England Executive Park
CITY/STATE/ZIP: Burlington, MA 01803

REPRESENTATIVE: John Cardullo
TITLE: Director, Sales & Marketing
PHONE: (617) 273-5818

DESCRIPTION:
This product is a methodology, supported by personal computer-based software, that lets users describe business/functions pictorially, and develop the enterprise data model and entity-relationship model.

CATEGORY:
X SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM, COMPAQ PLUS, AT&T, cont.
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS 2.0 or later
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: 512K INTERNAL STORAGE (BYTES)
2.5Mb EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: __________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: C

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $2,500.00 X PURCHASE PRICE: $40,000.00

REFERENCES: COMPANY: 1) __________ 2) __________
CONTACT: 1) __________ 2) __________
TELEPHONE: 1) __________ 2) __________

COMMENTS: See next page.

COMMENTS:

HARDWARE REQUIRED: IBM PC/XT, PC/AT, 3270-PC; COMPAQ PLUS, AT&T 6300.

INTERNAL STORAGE: 640K on 3270-PC and AT&T 6300
EXTERNAL STORAGE: 2.5 Mb free storage on hard disk

The prices listed above are for the methodology and the first copy of the software. The second to the ninth copies of the software are $500/month lease and $7,500 purchase. Call for prices for more than ten copies of the software.

NAME OF AID: PC Business Analysis and Requirements Definition

ACRONYM: TIP DEF-PC

COMPANY: Technology Info Products
STREET : 12 New England Executive Park
CITY/STATE/ZIP: Burlington, MA 01803

REPRESENTATIVE: John Cardullo
TITLE: Director, Sales & Marketing
PHONE: (617) 273-5818

DESCRIPTION:
This tool is a methodology, supported by personal computer-based software, that lets users describe their business functions and information usage in great detail. It also provides some verification and validation capability.

CATEGORY:
X SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM, COMPAQ PLUS, AT&T, cont.
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS 2.0 or later
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: 512+K INTERNAL STORAGE (BYTES)
2.5Mb EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: C

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $3,000.00 X PURCHASE PRICE: $50,000.00

REFERENCES: COMPANY: 1) ____________ 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

HARDWARE/MODEL REQUIRED: IBM PC/XT, PC/AT, 3270-PC; COMPAQ PLUS, AT&T 6300.

INTERNAL STORAGE: 640K on 3270-PC and AT&T 6300.

EXTERNAL STORAGE: 2.5Mb free storage on hard disk

The prices shown above are for the first copy of the software. The second to ninth copies of the software are $500/month lease and $7,500 purchase. Call for prices for more than ten copies of the software.

NAME OF AID: Program Analysis and Design
ACRONYM: TIP CREATE

COMPANY: Technology Info Products
STREET : 112 New England Executive Park
CITY/STATE/ZIP: Burlington, MA 01803
REPRESENTATIVE: John Cardullo
TITLE: Director, Sales & Marketing
PHONE: (617) 273-5818

DESCRIPTION:
This product is a methodology, supported by mainframe software, which lets users generate code structures, in either COBOL or PL/1, consistent with the Michael Jackson method of data-driven program design.

CATEGORY:
_ SIMULATION
X DESIGN
X CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 43XX/30XX
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS/TSO, VM/CMS
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 2-3Mb INTERNAL STORAGE (BYTES)
9Mb EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ________

LANGUAGE(S) OF AID: _ COBOL X PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 2 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $3,000.00 X PURCHASE PRICE: $50,000.00

REFERENCES: COMPANY: 1) Manufacturers Hanover 2) ________
CONTACT: 1) Ron Ansel 2) ________
TELEPHONE: 1) (212) 623-2388 2) ________

COMMENTS: See next page.

COMMENTS:

INTERNAL STORAGE: 3 Mg VM/CMS

NAME OF AID: Program Analysis and Design - PC Version
ACRONYM: TIP CREATE

COMPANY: Technology Info Products
STREET : 12 New England Executive Park
CITY/STATE/ZIP: Burlington, MA 01803
REPRESENTATIVE: John Cardullo
TITLE: Director, Sales & Marketing
PHONE: (617) 273-5818

DESCRIPTION:
This product is a methodology, supported by personal computer-based software, that lets users generate code structures, in COBOL or PL/1, consistent with the Michael Jackson method of data-driven program design.

CATEGORY:
X SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM, COMPAQ PLUS, AT&T, cont.
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS 2.0 or later
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED:
512K INTERNAL STORAGE (BYTES)
2.5Mb EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY:

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: C

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $2,000.00 X PURCHASE PRICE: $32,500.00

REFERENCES: COMPANY: 1) 2)
CONTACT: 1) 2)
TELEPHONE: 1) 2)

COMMENTS: See next page.

COMMENTS:

HARDWARE REQUIRED: IBM PC/XT, PC/AT, 3270-PC; COMPAQ PLUS, AT&T 6300

INTERNAL STORAGE: 640K on 3270-PC and AT&T 6300

EXTERNAL STORAGE: 2.5 Mb free storage on hard disk

The prices listed above are for the methodology and the first copy of the software. The second to the ninth copies of the software are $500/month lease and $7,500 purchase. Call for prices for more than ten copies of software.

NAME OF AID: TRAILBLAZER
ACRONYM: __________

COMPANY: The Analytic Sciences Corp.
STREET : 1 Jacob Way
CITY/STATE/ZIP: Reading, MA 01867

REPRESENTATIVE: Michael Parry
TITLE: Product Manager
PHONE: (617) 944-6850

DESCRIPTION:
TRAILBLAZER is a test coverage analyzer for COBOL and FORTRAN programs.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM
OPERATING SYSTEM REQUIRED FOR OPERATION: VS1, VS2
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______________________________

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 5 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ___________ X PURCHASE PRICE: $20,000.00

REFERENCES: COMPANY: 1) ____________________ 2) ____________________
CONTACT: 1) ____________________ 2) ____________________
TELEPHONE: 1) ____________________ 2) ____________________

COMMENTS: None

NAME OF AID: LaserDOS
ACRONYM: ____

COMPANY: TMS, Inc.
STREET : 110 West 3rd Street
CITY/STATE/ZIP: Stillwater, OK 74076
REPRESENTATIVE: Mark Foster
TITLE: Director of Marketing/ALDE
PHONE: (612) 835-5240

DESCRIPTION:
LaserDOS is a concurrent disk operating system which resides with MS-DOS and allows a personal computer to access a laser disk as just another disk drive.

CATEGORY:
☐ SIMULATION
☐ DESIGN
☐ CODE GENERATION
☐ TESTING
☐ MAINTENANCE
☐ DOCUMENTATION
☒ OPERATION
☐ PERFORMANCE MEASURE
☐ SUPPLEMENTAL SUPPORT
☐ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: MS-DOS PC
OPERATING SYSTEM REQUIRED FOR OPERATION: MS-DOS
COMPUTER: ☐ MAINFRAME ☐ MINI ☒ MICRO

RESOURCES REQUIRED: 512K INTERNAL STORAGE (BYTES)
____ EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID: ☐ COBOL ☐ FORTRAN ☐ PL/1 ☐ BASIC ☐ ASSEMBLER ☒ OTHER; SPECIFY: C

DOCUMENTATION:
☐ TECHNICAL PAPER
☐ MAINTENANCE MANUAL
☐ SPECIFICATION (DEV/PLAN)
☐ USER MANUAL
☐ TEST/PLAN PROCEDURE
☒ FULL DOCUMENTATION

ACCESSIBILITY:
☐ PUBLIC DOMAIN
☐ IN USE FOR ___ YEARS
☐ DEMONSTRATIONS
☒ PRIVATE DOMAIN
☐ IN USE BY ___ FIRMS
☐ TRAINING

PRICE: ☐ MONTHLY LEASE: ____ ☒ PURCHASE PRICE: $95.00

REFERENCES:
COMPANY: 1) available upon request 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: See next page.

COMMENTS:

LaserDOS permits users to read from a laser disk using the same familiar commands and procedures that are used to read from magnetic disks. An optical disk drive becomes "just another drive" under LaserDOS, with the exception that the optical disk is "read only" and can hold more data than other drives accessible from a small computer.

LaserDOS works with either compact disks (CD-ROMs) or with video disks containing digital information (LV-ROMs). It exists in a close, cooperative relationship with the popular MS-DOS/PC-DOS operating system on IBM PC computers and compatibles, actually completing MS-DOS commands such as "dir" (display directory) when these commands are directed to the laser disk drive.

In addition to its "disk reading" component that runs on personal computers, LaserDOS includes a "disk origination" component that runs on VAX computers. This "origination system" permits a publisher to supply data to TMS in a multiplicity of forms. Using LaserDOS, TMS can organize these data into a "laser disk image" that is ready for actual mastering onto a disk.

NAME OF AID: SPEED I
ACRONYM: ___

COMPANY: TOM Software, Inc.
STREET : P.O. Box 66596
CITY/STATE/ZIP: Seattle, WA 98166
REPRESENTATIVE: Donna Casselman
TITLE: Director of Marketing
PHONE: (206) 246-7022

DESCRIPTION:
SPEED I is a software application development and data base management utility.

CATEGORY:
_ SIMULATION
X DESIGN
_ CODE GENERATION
X TESTING
_ MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: Wang, AT&T, IBM, Compaq, Fortune, cont
OPERATING SYSTEM REQUIRED FOR OPERATION: see comments
COMPUTER: _ MAINFRAME X MINI X MICRO

RESOURCES REQUIRED: 256K INTERNAL STORAGE (BYTES)
___ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: external storage depends on application

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
X OTHER; SPECIFY: TOMBASIC

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 4200 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ___ X PURCHASE PRICE: $800-3,500

REFERENCES: COMPANY: 1) ___ 2) ___
CONTACT: 1) ___ 2) ___
TELEPHONE: 1) ___ 2) ___

COMMENTS: See next page.

COMMENTS:

HARDWARE/MODEL REQUIRED: Wang 2200, AT&T 3B2, AT&T 6300, AT&T UNIX PC, IBM PC, Compaq, Fortune 32:16

SOFTWARE REQUIRED: BASIC-2, MS DOS, UNIX, ULTRIX

NAME OF AID: SPEED II
ACRONYM: ________

COMPANY: TOM Software, Inc.
STREET : P.O. Box 66596
CITY/STATE/ZIP: Seattle, WA 98166

REPRESENTATIVE: Donna Casselman
TITLE: Director of Marketing
PHONE: (206) 246-7022

DESCRIPTION:
SPEED II is a fourth generation productivity tool.

CATEGORY:
_ SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: Wang VS
OPERATING SYSTEM REQUIRED FOR OPERATION: Wang OS 5.03
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: 512K INTERNAL STORAGE (BYTES)
6Mb EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
X COBOL
X FORTRAN
X PL/1
X BASIC
X ASSEMBLER
X OTHER; SPECIFY: all languages

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 300 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ________
X PURCHASE PRICE: $5,000.00 +

REFERENCES: COMPANY: 1) ____________ 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

The SPEED II Utility is a fourth generation software productivity tool that reduces development time enhances management control over the DP/MIS function by standardizing the system development process.

NAME OF AID: TOMBASIC

ACRONYM: ______

COMPANY: TOM Software, Inc.
STREET : P.O. Box 66596
CITY/STATE/ZIP: Seattle, WA 98166

REPRESENTATIVE: Donna Casselman
TITLE: Director of Marketing
PHONE: (206) 246-7022

DESCRIPTION:
TOMBASIC is an interpretative basic language similar to Wang BASIC-2.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: Wang, AT&T, IBM, Compaq, Fortune, cont.
OPERATING SYSTEM REQUIRED FOR OPERATION: see comments
COMPUTER: _ MAINFRAME X MINI X MICRO

RESOURCES REQUIRED: 256K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
X OTHER; SPECIFY: external storage depends on application

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
X TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
_ USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 30 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ______ X PURCHASE PRICE: $800-3,500

REFERENCES: COMPANY: 1) ______ 2) ______
CONTACT: 1) ______ 2) ______
TELEPHONE: 1) ______ 2) ______

COMMENTS: See next page.

COMMENTS:

HARDWARE/MODEL REQUIRED: Wang 2200, AT&T 3B2, AT&T 6300, AT&T UNIX PC, IBM PC, Compaq, Fortune 32:16

SOFTWARE REQUIRED: BASIC-2, MS DOS, UNIX or ULTRIX

TOMBASIC is an interpretive BASIC language that operates on several computers that support the UNIX, or the UNIX-like, operating system or a C compiler.

NAME OF AID: MicroCICS
ACRONYM:

COMPANY: Unicorn Systems Company
STREET : 3807 Wilshire Blvd.
CITY/STATE/ZIP: Los Angeles, CA 90010

REPRESENTATIVE: Michael J. Stover
TITLE: Director of Marketing
PHONE: (213) 380-6974

DESCRIPTION:
MicroCICS is a CICS development tool on the IBM PC/370. It is a total programmer workbench.

CATEGORY:
☐ SIMULATION
☐ DESIGN
☐ CODE GENERATION
☒ TESTING
☒ MAINTENANCE
☐ DOCUMENTATION
☐ OPERATION
☐ PERFORMANCE MEASURE
☐ SUPPLEMENTAL SUPPORT
☐ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC/370
OPERATING SYSTEM REQUIRED FOR OPERATION: VM PC
COMPUTER: ☐ MAINFRAME ☐ MINI ☒ MICRO

RESOURCES REQUIRED:
INTERNAL STORAGE (BYTES)
EXTERNAL STORAGE (BYTES)
OTHER; SPECIFY:

LANGUAGE(S) OF AID: ☐ COBOL ☐ FORTRAN ☐ PL/1 ☐ BASIC ☐ ASSEMBLER ☐ OTHER; SPECIFY:

DOCUMENTATION:
☐ TECHNICAL PAPER
☐ MAINTENANCE MANUAL
☐ SPECIFICATION (DEV/PLAN)
☒ USER MANUAL
☐ TEST/PLAN PROCEDURE
☐ FULL DOCUMENTATION

ACCESSIBILITY:
☐ PUBLIC DOMAIN
☐ IN USE FOR YEARS
☒ DEMONSTRATIONS
☒ PRIVATE DOMAIN
☒ IN USE BY 20 FIRMS
☐ TRAINING

PRICE: ☐ MONTHLY LEASE: ☒ PURCHASE PRICE: $4,495.00

REFERENCES: COMPANY: 1) 2)
CONTACT: 1) 2)
TELEPHONE: 1) 2)

COMMENTS: See next page.

COMMENTS:

References are furnished to potential clients only.

NAME OF AID: DDQUERY ACRONYM: ____

COMPANY: V-W Systems, Inc. REPRESENTATIVE: Harold S. Williams
STREET : 7430 E. Caley Avenue TITLE: Director of Computer Services
CITY/STATE/ZIP: Englewood, CO 80111 PHONE: (303) 773- 1894

DESCRIPTION:
This is an information management system including a query subsystem for accessing data, a report writer for reporting data, and a transaction processor, with its own high-level language, for design of CRT screens.

CATEGORY:
_ SIMULATION
X DESIGN
X CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC, IBM Series/1, Perkin-Elmer
OPERATING SYSTEM REQUIRED FOR OPERATION: MS-DOS, EDX, OS/32 MT
COMPUTER: _ MAINFRAME X MINI X MICRO

RESOURCES REQUIRED: 384K INTERNAL STORAGE (BYTES)
1Mb EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID: _ COBOL _ PL/1 _ ASSEMBLER
_ FORTRAN _ BASIC _ OTHER; SPECIFY: ____

DOCUMENTATION: _ TECHNICAL PAPER _ USER MANUAL
_ MAINTENANCE MANUAL _ TEST/PLAN PROCEDURE
_ SPECIFICATION (DEV/PLAN) X FULL DOCUMENTATION

ACCESSIBILITY: _ PUBLIC DOMAIN _ PRIVATE DOMAIN
X IN USE FOR 8 YEARS X IN USE BY 300 FIRMS
X DEMONSTRATIONS X TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: $3,750.00 +

REFERENCES: COMPANY: 1) ____ 2) ____
CONTACT: 1) ____ 2) ____
TELEPHONE: 1) ____ 2) ____

COMMENTS: None

NAME OF AID: OPS5e

ACRONYM:

COMPANY: VERAC, Incorporated
STREET : 9605 Scranton Road, Suite 500
CITY/STATE/ZIP: San Diego, CA 92121

REPRESENTATIVE: Sally G. Tumia
TITLE: Marketing Administrator
PHONE: (619) 457-5550

DESCRIPTION:
This product is an expert shell system.

CATEGORY:
- ☐ SIMULATION
- ☐ DESIGN
- ☒ CODE GENERATION
- ☐ TESTING
- ☐ MAINTENANCE
- ☐ DOCUMENTATION
- ☐ OPERATION
- ☐ PERFORMANCE MEASURE
- ☐ SUPPLEMENTAL SUPPORT
- ☐ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: Symbolics 3600 Series or TI Explorer
OPERATING SYSTEM REQUIRED FOR OPERATION: LISP/Zetalisp
COMPUTER: ☐ MAINFRAME ☒ MINI ☐ MICRO

RESOURCES REQUIRED:
200K INTERNAL STORAGE (BYTES)
200K EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY:

LANGUAGE(S) OF AID:
- ☐ COBOL
- ☐ FORTRAN
- ☐ PL/1
- ☐ BASIC
- ☐ ASSEMBLER
- ☒ OTHER; SPECIFY: OPS5

DOCUMENTATION:
- ☐ TECHNICAL PAPER
- ☐ MAINTENANCE MANUAL
- ☐ SPECIFICATION (DEV/PLAN)
- ☒ USER MANUAL
- ☐ TEST/PLAN PROCEDURE
- ☐ FULL DOCUMENTATION

ACCESSIBILITY:
- ☐ PUBLIC DOMAIN
- ☒ IN USE FOR 3 YEARS
- ☐ DEMONSTRATIONS
- ☒ PRIVATE DOMAIN
- ☐ IN USE BY ____ FIRMS
- ☐ TRAINING

PRICE: ☐ MONTHLY LEASE: ____________ ☒ PURCHASE PRICE: $3-10,000.00

REFERENCES: COMPANY: 1) Aerojet 2) Hughes-Fullerton
CONTACT: 1) Charlie Brake 2) Mike Crocker
TELEPHONE: 1) (818) 812-2225 2) 714) 732-8507

COMMENTS: See next page.

COMMENTS:

Purchase price is $3,000.00 for use on a single machine, $10,000.00 for site installation.

NAME OF AID: Viking Control System ACRONYM: VCS

COMPANY: Viking Software Services, Inc. REPRESENTATIVE: John R. Haley
STREET : 2815 E. Skilly Drive, Ste. 816 TITLE: President
CITY/STATE/ZIP: Tulsa, OK 74105 PHONE: (918) 745-6550

DESCRIPTION:
VCS (the Viking Control System) is a menu driven terminal interface that makes it possible to perform specific jobs without access to the operating system command language.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: VAX
OPERATING SYSTEM REQUIRED FOR OPERATION: VMS
COMPUTER: _ MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY:

LANGUAGE(S) OF AID:
X COBOL
X FORTRAN
X PL/1
X BASIC
_ ASSEMBLER
X OTHER; SPECIFY: Pascal, C

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 1 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 5 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ________ X PURCHASE PRICE: $1,000.00

REFERENCES:	1)	2)
COMPANY:	Naval Sea Systems Command	Bureau of Reclamation
CONTACT:	James O. Cook	Stan Hrincevich
TELEPHONE:	(804) 396-3682	(303) 236-5241

COMMENTS: See next page.

COMMENTS:

VCS is a new software aid which has been in use for less than one year. It is used in conjunction with Viking Software's VFM product. Production statistics may be maintained for users and jobs. A job may be either a program or a command file.

NAME OF AID: Viking Data Entry ACRONYM: VDE

COMPANY: Viking Software Services, Inc.
STREET : 2815 E. Skelly Drive, Ste. 816
CITY/STATE/ZIP: Tulsa, OK 74105

REPRESENTATIVE: John R. Haley
TITLE: President
PHONE: (918) 745-6550

DESCRIPTION:
VDE (the Viking Data Entry System) is a complete data entry system for sequential files. VDE is utilized in conjunction with VFM (Viking Forms Manager) to capture and verify data without conventional programming.

CATEGORY:
_ SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC, IBM, Gould-SEL, Four-Phase
OPERATING SYSTEM REQUIRED FOR OPERATION: see comments
COMPUTER: _ MAINFRAME X MINI X MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
X COBOL
X FORTRAN
X PL/1
X BASIC
_ ASSEMBLER
X OTHER; SPECIFY: Pascal, C

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 5 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 150+ FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: $200-2,000

REFERENCES: COMPANY: 1) The BDM Corporation 2) Bureau of Reclamation
CONTACT: 1) John Kenworthy 2) Stan Hrincevich
TELEPHONE: 1) (703) 827-7586 2) (303) 236-5241

COMMENTS: See next page.

COMMENTS:

HARDWARE/OPERATING SYSTEMS:
DEC: VAX/VMS, PDP/RSX, PRO/POS, Rainbow/MS-DOS
IBM: PC, XT, AT
Gould-SEL
Four-Phase
Others with UNIX or MS-DOS

Viking Data Entry (VDE), an option to the Viking Forms Manager (VFM), links user-created forms definitions with a supplied key-to-disk system to create new files or update existing files. Information can be verified by re-keying data files for comparison. There is an examine mode for inquiry only.

VDE allows non-programmers to create production data entry applications for mini and micro computers.

For complex applications, optional user exit subroutines can be programmed in any high level language and inserted variously in the VDE program to customize the initialization of variables, control logic flow, validate data or otherwise affect the reading and writing of data records.

There is a GSA discount of 30%.

NAME OF AID: Viking Data Manager ACRONYM: VDM

COMPANY: Viking Software Services, Inc. REPRESENTATIVE: John R. Haley
STREET : 2815 E. Skelly Drive, Ste. 816 TITLE: President
CITY/STATE/ZIP: Tulsa, OK 74105 PHONE: (918) 745-6550

DESCRIPTION:
VDM (the Viking Data Manager) provides a method for production data entry and inquiry into keyed index sequential (ISAM) files.

CATEGORY:
_ SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: VAX, PDP, Gould-SEL
OPERATING SYSTEM REQUIRED FOR OPERATION: VMS, RSX
COMPUTER: _ MAINFRAME X MINI X MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
X COBOL
X FORTRAN
X PL/1
X BASIC
_ ASSEMBLER
X OTHER; SPECIFY: Pascal, C

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 4 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 50+ FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: $1,250-2,500

REFERENCES:
COMPANY: 1) Naval Sea Systems Command 2) Bureau of Reclamation
CONTACT: 1) James O. Cook 2) Stan Hrincevich
TELEPHONE: 1) (804) 396-3682 2) (303) 236-5241

COMMENTS: See next page.

COMMENTS:

Without programming, a user can create, update, verify or inquire into ISAM files from the "forms" or formatted screens presented on the CRT terminal by the interactive Viking Forms Painter (VFP).

Data is entered using VDM's data validation capability and special function keys. Menus and entry forms aid and prompt the user in supplying information to the files. Information is obtained directly from the RMS file directories whenever possible. Multiple keyed files and variable length records are supported.

While most applications require no programming, the system provides all facilities and capabilities required by professional programmers to customize the program for complex applications through the user of optional user-exit subroutines. Insertion of these routines in the VDM program may be used to implement the initialization of variables, control the logic flow, validate data and select records for processing.

There is a GSA discount of 30%.

NAME OF AID: Viking Forms Manager ACRONYM: VFM

COMPANY: Viking Software Services, Inc. REPRESENTATIVE: John R. Haley
STREET : 2815 E. Skelly Drive, Ste. 816 TITLE: President
CITY/STATE/ZIP: Tulsa, OK 74105 PHONE: (918) 745-6550

DESCRIPTION:
The Viking Forms Manager (VFM) is a tool for the development of interactive screen formats or "forms". It is a software product which reduces programming tasks required for developing online screen forms and menus.

CATEGORY:
_ SIMULATION
X DESIGN
_ CODE GENERATION
_ TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC, IBM, Gould-SEL, Four-Phase
OPERATING SYSTEM REQUIRED FOR OPERATION: see comments
COMPUTER: _ MAINFRAME X MINI X MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
X COBOL
X FORTRAN
X PL/1
X BASIC
_ ASSEMBLER
X OTHER; SPECIFY: Pascal, C

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 5 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 150+ FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: $600-6,000

REFERENCES: COMPANY: 1) Naval Research Lab 2) General Dynamics Corp.
CONTACT: 1) David George 2) Earl Bristow
TELEPHONE: 1) (305) 857-5260 2) (817) 777-2550

COMMENTS: See next page.

COMMENTS:

HARDWARE REQUIRED: DEC: VAX, PDP, PRO, Rainbow
IBM: PC, XT, AT
Gould-SEL
Four-Phase
UNIX or MS-DOS users

OPERATING SYSTEMS REQUIRED: VMS, RSX, POS, MS-DOS, UNIX

The Viking Forms Manager (VFM) software product simplifies the creation, maintenance and operation of interactive programs. "Fill-in-the blanks" data input is accomplished through these features:

- VFM FORMS DEVELOPMENT FACILITY creates and modifies screen formats or "forms" apart from the program logic. These forms are linked with the application program, and appropriate documentation is automatically generated.

- VFM SUBROUTINES LIBRARY allows the programmer to address all the data on a terminal screen as a single, logical record. The operator is supported with a wide range of special function keys and online data validation.

- VFM EXERCISER tests the human engineering and validation features to insure that forms are logical, efficient and visually pleasing.

There is a GSA discount of 30% on the purchase price.

NAME OF AID: EV CAPTURE Plus

ACRONYM: CAPTURE

COMPANY: Visual Communications Network
STREET : 238 Main Street
CITY/STATE/ZIP: Cambridge, MA 02142

REPRESENTATIVE: Kimberly O'Hara
TITLE: Marketing Representative
PHONE: (617) 497-4000

DESCRIPTION:
EV CAPTURE Plus allows a user to "capture" any screen from any application program and print it on a variety of hard copy printers/plotters.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC/XT/AT and compatibles
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS 2.0, 2.1, 3.0, 3.1
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED:
30K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ____________ X PURCHASE PRICE: $125.00

REFERENCES:		
COMPANY:	1) Exeter Group	2) After Computer
CONTACT:	1) Jonathan Kutching	2) John Bonichef
TELEPHONE:	1) (617) 494-1600	2) (202) 822-0604

COMMENTS: See next page.

COMMENTS:

There is a 20-50% discount depending upon quantity purchased.

NAME OF AID: VCN ExecuVision
ACRONYM: EV

COMPANY: Visual Communications Network
STREET : 238 Main Street
CITY/STATE/ZIP: Cambridge, MA 02142
REPRESENTATIVE: Kimberly O'Hara
TITLE: Marketing Representative
PHONE: (617) 497-4000

DESCRIPTION:
EV is a presentation graphics product that allows users to combine text fonts, data, charts and graphics into screens suitable for presentations.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
_ MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM PC/XT/AT or compatibles
OPERATING SYSTEM REQUIRED FOR OPERATION: DOS 2.0/2.1/3.0/3.1
COMPUTER: _ MAINFRAME _ MINI X MICRO

RESOURCES REQUIRED: 256K INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ____________

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: ____________

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
_ IN USE FOR ___ YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
_ IN USE BY ____ FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ___________ X PURCHASE PRICE: $395.00

REFERENCES: COMPANY:	1) Exeter Group	2) After Computer
CONTACT:	1) Jonathan Kutchins	2) John Bonicheff
TELEPHONE:	1) (617) 494-1600	2) (202) 822-0604

COMMENTS: See next page.

COMMENTS:

There is a 20-50% discount for quantity purchases.

NAME OF AID: TESTRAN ACRONYM: TESTRAN

COMPANY: WESTEC Services, Inc. REPRESENTATIVE: Mr. Ken Garrison
STREET : 3211 Fifth Avenue TITLE: Technical Director
CITY/STATE/ZIP: San Diego, CA 92103 PHONE: (619) 294-9770

DESCRIPTION:
A generic software tool, TESTRAN improves the process of developing and maintaining various types of procedures for complex systems. It is specifically designed for managing procedures characterized by action-response scenarios.

CATEGORY:
X SIMULATION
X DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
X PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: DEC VAX 11/7XX
OPERATING SYSTEM REQUIRED FOR OPERATION: VMS Version 3.6 or later
COMPUTER: _ MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED: _____ INTERNAL STORAGE (BYTES)
_____ EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: _____

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY: _____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
_ FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 2 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 5 FIRMS
X TRAINING

PRICE: X MONTHLY LEASE: $3,000.00 X PURCHASE PRICE: $60,000.00

REFERENCES: COMPANY: 1) U.S. Army, CECOM 2) Naval Ocean Systems Ctr.
CONTACT: 1) Mr. Ed. Keezer 2) Mr. John Wilson
TELEPHONE: 1) (201) 532-3113 2) (619) 225-2932

COMMENTS: See next page.

COMMENTS:

TESTRAN is designed specifically for managing procedures which are characterized by action -- response processes; e.g., test procedures, training procedures, maintenance procedures, et. al. It is also designed to accommodate system requirement and configuration change data and to provide for tracing procedure steps back to the system requirements and configuration changes.

TESTRAN is a menu-driven system consisting of five principal subsystems: an editor, a data base manager, a compiler, a management information system, and a printer.

The editor is used to enter and edit system specification references, procedure data and engineering change information into a data base. It is also used to write procedure scripts which are the vehicle for producing procedures from the procedure data stored in the data base.

The data base manager is used to selectively display and manipulate the data base entries. A key feature of this subsystem is the ability to establish cross references between data base entries, thereby providing an audit trail from a procedure back to the specifications and engineering changes.

The compiler is used to evaluate a procedure script to determine that it is properly formatted and that it correctly references the data base procedure data. A successfully compiled script is the source document for the printed test procedure.

The management information system is used to selectively produce printouts of the relationship between various data base entries and/or procedures as established in the data base manager.

The printer is used to provide hard copies of procedures, procedure scripts and data base entries. TESTRAN procedures can be printed in a 60 column format for 8 1/2 by 11 printouts and 60 or 80 column format for 14 by 11 printouts.

TESTRAN is an interactive multiple user system. Several users may access the same data base to facilitate simultaneous work on a large project. Where appropriate, data base entries are locked by a specific process to preclude simultaneous revisions by different users.

NAME OF AID: FORTRAN DOCUMENTATION
ACRONYM: REFTRAN

COMPANY: William R. De Haan
STREET : P.O. Box 6792
CITY/STATE/ZIP: Santa Barbara, CA 9316
REPRESENTATIVE: William R. De Haan
TITLE: Consultant
PHONE: (805) 964-7724

DESCRIPTION:
This tool produces a symbolic name cross-reference dictionary that also includes selected FORTRAN names such as READ, WRITE, FORMAT, ENDFILE, ENCODE, DECODE, PRINT, and REWIND.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
_ TESTING
X MAINTENANCE
X DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
_ SUPPLEMENTAL SUPPORT
X PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: any
OPERATING SYSTEM REQUIRED FOR OPERATION: any
COMPUTER: X MAINFRAME X MINI _ MICRO

RESOURCES REQUIRED:
100K INTERNAL STORAGE (BYTES)
50K EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY:

LANGUAGE(S) OF AID:
_ COBOL
X FORTRAN
_ PL/1
_ BASIC
_ ASSEMBLER
_ OTHER; SPECIFY:

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 18 YEARS
_ DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 12 FIRMS
_ TRAINING

PRICE: _ MONTHLY LEASE: ___________ X PURCHASE PRICE: $4,200.00

REFERENCES: COMPANY: 1) ____________ 2) ____________
CONTACT: 1) ____________ 2) ____________
TELEPHONE: 1) ____________ 2) ____________

COMMENTS: See next page.

COMMENTS:

The dictionary is organized alphabetically by symbolic name and shows the actual FORTRAN statement in which the name appears along with the name of the program unit in which the statement appears.

NAME OF AID: DATA-XPERT
ACRONYM: ______

COMPANY: XA Systems Corp.
STREET : 987 University Avenue, Suite 4
CITY/STATE/ZIP: Los Gatos, CA 95030

REPRESENTATIVE: Rober Basmaciyan
TITLE: Manager, Product Marketing
PHONE: (408) 395-1800

DESCRIPTION:
This is an interactive file manipulation system for VSAM, ISAM, sequential and PDS files. It edits, browses, extracts, reformats, and prints.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 43XX, 303X, 308X
OPERATING SYSTEM REQUIRED FOR OPERATION: MVS/TSO/ISPF
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED:
_____ INTERNAL STORAGE (BYTES)
4CYL EXTERNAL STORAGE (BYTES)
_____ OTHER; SPECIFY: ______

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
X PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ______

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 2 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 45 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ______
X PURCHASE PRICE: $30,000.00

REFERENCES: COMPANY: 1) BC/BS Washington, D.C. 2) Humana Hospital
CONTACT: 1) Tom Bason 2) Ken Dicken
TELEPHONE: 1) (202) 479-7835 2) (502) 580-2771

COMMENTS: See next page.

COMMENTS:

DATA-XPERT is an interactive, full-screen development center system for editing, browsing, extracting, reformatting, and printingto VSAM, ISAM, PDS and Sequential files without any programming.

DATA-XPERT eliminates ISPF's editing restrictions on record and file size and data set organization. Using the COBOL record layouts directly from any PDS copylib, PANVALET or LIBRARIAN as a template over the data, records are displayed with the field names on the left and their values on the right hand side.

DATA-XPERT checks the validity of data for each field in the record and highlights data that does not match the COBOL PICTURE clause.

The edit function has find, change, repeat, up, down, left, right, line and block insert, copy, and move commands. A unique option of the find command searches and displays invalid data.

There are three modes of display for data: 1) COBOL formatted, 2) three line hexadecimal and 3) one line character.

Records can be selected by record count and/or by field contents for editing, browsing and extracting to facilitate test data creation.

The extract function can create subsets of data and place the selected records in a file with a different file organization.

The reformatting function copies contents of fields from one file to another with a different record layout.

DATA-XPERT's on-line tutorial and help facilities and its similarity to ISPF with split screen and user programmable PF keys eliminate the lengthy learning curve for immediate productivity gain.

NAME OF AID: IMS-XPERT ACRONYM: ____

COMPANY: XA Systems Corporation
STREET : 987 University Avenue, Suite 4
CITY/STATE/ZIP: Los Gatos, CA 95030

REPRESENTATIVE: Rober Basmaciyan
TITLE: Manager, Product Marketing
PHONE: (408) 395-1800

DESCRIPTION:
This is an interactive IMS data base file editing system under TSO/ISPF.

CATEGORY:
_ SIMULATION
_ DESIGN
_ CODE GENERATION
X TESTING
X MAINTENANCE
_ DOCUMENTATION
_ OPERATION
_ PERFORMANCE MEASURE
X SUPPLEMENTAL SUPPORT
_ PROJECT MANAGEMENT

HARDWARE/MODEL REQUIRED FOR OPERATION: IBM 370, 43XX, 303X, 308X
OPERATING SYSTEM REQUIRED FOR OPERATION: ____
COMPUTER: X MAINFRAME _ MINI _ MICRO

RESOURCES REQUIRED: ____ INTERNAL STORAGE (BYTES)
4 CYL EXTERNAL STORAGE (BYTES)
____ OTHER; SPECIFY: ____

LANGUAGE(S) OF AID:
_ COBOL
_ FORTRAN
X PL/1
_ BASIC
X ASSEMBLER
_ OTHER; SPECIFY: ____

DOCUMENTATION:
_ TECHNICAL PAPER
_ MAINTENANCE MANUAL
_ SPECIFICATION (DEV/PLAN)
X USER MANUAL
_ TEST/PLAN PROCEDURE
X FULL DOCUMENTATION

ACCESSIBILITY:
_ PUBLIC DOMAIN
X IN USE FOR 1 YEARS
X DEMONSTRATIONS
X PRIVATE DOMAIN
X IN USE BY 10 FIRMS
X TRAINING

PRICE: _ MONTHLY LEASE: ____ X PURCHASE PRICE: $20,000.00

REFERENCES: COMPANY:	1) Sun Bank Services	2) Burroughs-Wellcome
CONTACT:	1) Mary Lynn Jones	2) Jack Parker
TELEPHONE:	1) (305) 850-1363	2) (919) 758-3536

COMMENTS: See next page.

COMMENTS:

IMS-XPERT is an interactive, full-screen development center system for editing and browsing IMS data bases under TSO/ISPF. It significantly reduces the time required to create and maintain IMS test data bases and to perform ad hoc inquiry of data bases.

Using COBOL segment layouts from any PDS copylib, PANVALET and LIBRARIAN plus existing DBDs as a template over the data, segment records are displayed with the field names on the left and their values on the right hand side. In this COBOL formatted mode, IMS-XPERT checks the validity of data for each field in the segment record and highlights data that doesn't match the COBOL PICTURE clause.

IMS-XPERT provides commands such as CHILD, TWIN, NEXT, PARENT and ROOT to navigate through the data base.

In the index mode, IMS-XPERT displays a hierarchical list of segments showing one segment per line.

IMS-XPERT allows insertion, deletion and repetition of individual segments and their associated sub-structures.

Un-formatted mode allows editing in character or hexadecimal format.

IMS-XPERT supports HDAM, HIDAM, HSAM and HISAM data bases. Secondary indexes are also maintained when the data is edited.

IMS-XPERT's on-line full tutorial and help facilities coupled with its similarity to ISPF, split-screen and user programmable PF keys ensure immediate productivity for new users.

APPENDIX A
INDEX BY SOFTWARE VENDOR

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